

## Appointment

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**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 4/6/2016 11:40:13 PM  
**To:** Murchie, Peter [Murchie.Peter@epa.gov]; Dean, Heather [Dean.Heather@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]; Siwiec, Tim [Siwiec.Tim@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** Hold for practice HTL field exercise until I nail down which day works for Phill Dionne  
**Location:** out and about  
  
**Start:** 5/10/2016 7:00:00 AM  
**End:** 5/11/2016 7:00:00 AM  
**Show Time As:** Tentative

It will only be one of these days. Will let you know which asap.

Message

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**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 4/5/2016 10:34:01 PM  
**To:** Murchie, Peter [Murchie.Peter@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]; Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** discussion points for HTL meeting tomorrow.  
**Attachments:** What EPA currently does to support Shoreline protection outside of Corps jurisdiction.docx

For the 11:00 item. This is just my quick thoughts on what we can throw out there tomorrow- feel free to edit. Someone else should fill in the gaps for the EPA part...  
See you tomorrow.

Susan Meyer  
EPA Region 10  
Puget Sound and National Estuary Programs  
1200 6<sup>th</sup> Aveune, Suite 900  
Seattle, Washington 98101-3140  
206-553-1078  
[Meyer.susan@epa.gov](mailto:Meyer.susan@epa.gov)

Message

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**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 4/4/2016 9:51:10 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** FW: High Tide Line/HAT issue study sites

Heather, Read the email string to get the info you requested. Sounds like we may have spawning sites, but no elevation data.

-----Original Message-----

From: Dionne, Phillip E (DFW) [mailto:Phillip.Dionne@dfw.wa.gov]  
Sent: Monday, April 04, 2016 2:49 PM  
To: Meyer, Susan <meyer.susan@epa.gov>  
Subject: RE: High Tide Line/HAT issue study sites

No, we have not done our elevation surveys on any of these sites.

-----Original Message-----

From: Meyer, Susan [mailto:meyer.susan@epa.gov]  
Sent: Monday, April 04, 2016 2:45 PM  
To: Dionne, Phillip E (DFW)  
Subject: RE: High Tide Line/HAT issue study sites

Thanks! If it has been surveyed, does that mean you have elevation data for those beaches?

-----Original Message-----

From: Dionne, Phillip E (DFW) [mailto:Phillip.Dionne@dfw.wa.gov]  
Sent: Monday, April 04, 2016 2:21 PM  
To: Meyer, Susan <meyer.susan@epa.gov>  
Subject: RE: High Tide Line/HAT issue study sites

The Seattle site has not been surveyed for Surf Smelt or Sand Lance, but has had herring spawn.

The Port Townsend site has documented Surf Smelt on the north and east side of the point.

The Cherry Point site has documented Surf Smelt.

The Neah Bay site has no document spawn.

The Tacoma Site has never been surveyed.

-----Original Message-----

From: Meyer, Susan [mailto:meyer.susan@epa.gov]  
Sent: Monday, April 04, 2016 2:06 PM  
To: Dionne, Phillip E (DFW)  
Cc: Dean, Heather  
Subject: High Tide Line/HAT issue study sites

Hi Phill, We have located 5 study sites to produce GIS maps for using elevation data from the NOAA website. We are planning to also use these sites for our field visit so that we can be as close to the harmonic station as possible. We are wondering if you might have any field information regarding forage fish spawning and/or GPS elevation data at or near any of these locations.

I have attached an aerial photo with general locations of the stations along with 5 aeriels with arrows pointing to the beach where the GIS elevation lines will be drawn and where we plan to visit. If you have any more specific data for them, please let us know. Also, I will be scheduling a practice site visit for early May or late April soon.

Thanks so much, Phill. I really appreciate your participation on this issue.

Best,  
Susan

## Appointment

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**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 3/29/2016 8:51:13 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** Accepted: Washington High Tide Line Mapping Project  
**Location:** R10Sea-Room-20C-ETPA/R10-Rooms-Restricted  
**Start:** 3/31/2016 8:30:00 PM  
**End:** 3/31/2016 9:30:00 PM  
**Show Time As:** Busy

Heather, I can only be there until 2, as I have a two hour meeting at that time. Darn!

Susan



Message

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**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 3/23/2016 3:40:01 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** RE: HTL Meeting-Room for EPA Staff

I couldn't agree more with that approach!

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**From:** Dean, Heather  
**Sent:** Wednesday, March 23, 2016 8:39 AM  
**To:** Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** RE: HTL Meeting-Room for EPA Staff

I don't think so. Based on my conversation with NOS on Monday, **Deliberative Process / Ex. 5**  
**Deliberative Process / Ex. 5** I think he agrees, but we'll see what he says on the call (he'll be joining in).

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**From:** Meyer, Susan  
**Sent:** Wednesday, March 23, 2016 8:37 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: HTL Meeting-Room for EPA Staff

Heather, I am working from home today. Do we need to talk before the meeting? If so, my phone is forwarded 3-1078. Thanks!

-----Original Appointment-----

**From:** Dean, Heather  
**Sent:** Wednesday, March 23, 2016 8:26 AM  
**To:** Szerlog, Michael; Szalay, Endre; Meyer, Susan  
**Subject:** HTL Meeting-Room for EPA Staff  
**When:** Wednesday, March 23, 2016 9:00 AM-11:00 AM (UTC-08:00) Pacific Time (US & Canada).  
**Where:** R10Sea-Room-20Cedar/R10-Rooms-Service-Center

Message

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**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 3/16/2016 4:09:41 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** RE: HTL field trip

Sounds good. Thanks!

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**From:** Dean, Heather  
**Sent:** Wednesday, March 16, 2016 8:41 AM  
**To:** Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** RE: HTL field trip

Okay. Agreed, w/r the need for consistency on both reference datums & units. I suspect the former will depend on which elevation we end up selecting. If it's one that folks will get from the NOAA Tide Station websites, it'll be referenced to the station datum, whereas if it's one they'll get from tide tables, it'll be referenced to MLLW. We'll just have to make sure it's clear to the future users. The good news is that the two reference datums seem typically to be so far apart that it's pretty obvious if you've corrected to the wrong one. (Not that I've ever accidentally done that or anything. ;-))

As for units, it will definitely be in feet, because that is the unit of Corps Regulatory, who will be the main user. We will probably have to continue to function as the translator between the "real scientists," who, understandably, seem to be find speaking in terms of feet offensive, & the regulators, who have to use feet because that's what the regulated public know. ☺

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**From:** Meyer, Susan  
**Sent:** Wednesday, March 16, 2016 8:34 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: HTL field trip

Works for me, and don't worry about including me in that conversation, although if I'm available, I would like to listen in. I suspect it may be over my head. One thing, though that has been bugging me is that we will need a consistent, useable datum (MLLW or NAVD88), and we should either use feet or meters. I noticed that the TcHHW information was listed in meters. I vote for feet, personally.

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**From:** Dean, Heather  
**Sent:** Wednesday, March 16, 2016 8:25 AM  
**To:** Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** RE: HTL field trip

It's unanimous, then; that was my thought, as well, & Michael agreed. I'll send him an e-mail, with a cc to you & Matt, asking if we can call, or if he'd rather field our questions by phone. Sound okay?

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**From:** Meyer, Susan  
**Sent:** Wednesday, March 16, 2016 8:24 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: HTL field trip

I would contact him directly.

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**From:** Dean, Heather  
**Sent:** Wednesday, March 16, 2016 8:15 AM  
**To:** Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** RE: HTL field trip

Hmmm. I would think it would be best if we could be as accurate as possible with regard to elevations, since there's likely to be some debate, while we're there, as to the appropriate location of the line.

Question: Is the purpose of this field trip something that we could combine with a field trip to the 4-6 study sites, one of which will be Seattle?

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**From:** Meyer, Susan  
**Sent:** Tuesday, March 15, 2016 12:38 PM  
**To:** Dean, Heather <Dean.Heather@epa.gov>; Murchie, Peter <Murchie.Peter@epa.gov>  
**Subject:** HTL field trip

Heather and Peter, I would like your opinion, please. Tina Tong, a manager and technical staff from the Corps can make the field day on April 27, which everyone else (who wants to come) can also make, except Phil Dionne, the WDFW forage fish guy. He has a gps and extensive knowledge of forage fish issues, which I guess are not critical for this particular trip. Muffy may be able to make it, but won't commit yet. Sounds like those are the only possible Corps participants.

Should we schedule April 27 and attempt to find the elevations based on the observed water level at the time of our visit? It wouldn't be as precise as gps, but I think it will be close enough. The Seattle predicted tides for that day would work (see table below) as they are all to be below MHHW. Please let me know your thoughts. Thanks,

~Susan

Also, Peter, FYI, yesterday, the observed tides in Seattle were more than 2 ft above predicted and today about a foot above predicted.

Date	Day	Time	Hgt
04/26	Tue	02:22 AM	6.18 L
04/26	Tue	07:30 AM	9.57 H
04/26	Tue	02:22 PM	-0.48 L
04/26	Tue	09:27 PM	10.88 H
04/27	Wed	03:10 AM	6.49 L
04/27	Wed	08:08 AM	9.16 H
04/27	Wed	03:06 PM	-0.25 L
04/27	Wed	10:17 PM	10.78 H

Susan Meyer  
EPA Region 10  
Puget Sound and National Estuary Programs  
1200 6<sup>th</sup> Aveune, Suite 900  
Seattle, Washington 98101-3140

206-553-1078

[Meyer.susan@epa.gov](mailto:Meyer.susan@epa.gov)

Message

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**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 2/26/2016 4:59:35 PM  
**To:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Subject:** RE: HTL Workgroup - PMP revision

Okay. Thanks for the clarification.

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**From:** Murchie, Peter  
**Sent:** Friday, February 26, 2016 8:56 AM  
**To:** Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** RE: HTL Workgroup - PMP revision

Agreed [Deliberative Process / Ex. 5]

The PMP is something that will guide the talking points that USACE will be using at the March 8<sup>th</sup> meeting. The Tribal Leaders meeting is with all of the Federal leaders not just Dennis. USACE will lead this discussion.

Thank you,  
peter

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**From:** Meyer, Susan  
**Sent:** Friday, February 26, 2016 8:54 AM  
**To:** Murchie, Peter <Murchie.Peter@epa.gov>  
**Subject:** RE: HTL Workgroup - PMP revision

Peter, I spoke with Heather yesterday, [Deliberative Process / Ex. 5]

[Deliberative Process / Ex. 5]

[Deliberative Process / Ex. 5]

Of course, I will pass a draft around to the internal EPA team for comments before distributing to the technical subgroup.

[Deliberative Process / Ex. 5]

[Deliberative Process / Ex. 5] Is the PMP what Dennis will reference on March 8 in his meeting with the Tribal leaders ?

What do you think?

Susan

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**From:** Murchie, Peter  
**Sent:** Friday, February 26, 2016 7:11 AM  
**To:** Szalay, Endre <Szalay.Endre@epa.gov>  
**Cc:** Szerlog, Michael <Szerlog.Michael@epa.gov>; Dean, Heather <Dean.Heather@epa.gov>; Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** Re: HTL Workgroup - PMP revision

Agreed

Peter Murchie  
Manager

Puget Sound and NEP Programs  
USEPA Region 10  
[murchie.peter@epa.gov](mailto:murchie.peter@epa.gov)  
206-553-1148 w  
206-419-0804 c

On Feb 25, 2016, at 4:52 PM, Szalay, Endre <[Szalay.Endre@epa.gov](mailto:Szalay.Endre@epa.gov)> wrote:

Hi Folks:

Attached is an updated revision to the PMP after looking over the track changes version that Jim sent.

# Attorney Client / Ex. 5

Let me know what you think ... I'd like to send this out tomorrow. Thanks,

Endre Szalay  
US EPA Region 10  
Office of Regional Counsel  
206-553-1073

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**From:** Szerlog, Michael  
**Sent:** Tuesday, February 23, 2016 2:37 PM  
**To:** Szalay, Endre <[Szalay.Endre@epa.gov](mailto:Szalay.Endre@epa.gov)>; Murchie, Peter <[Murchie.Peter@epa.gov](mailto:Murchie.Peter@epa.gov)>; Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>; Meyer, Susan <[meyer.susan@epa.gov](mailto:meyer.susan@epa.gov)>  
**Subject:** RE: HTL Workgroup - PMP revision

Endre,

I concur with your edits. Thanks for keeping this issue front and center. Heather will offer up Adobe Connect as it appears the Corps has concerns with agencies sending around documents, which is quite ironic given the PMP.

Thanks

*Michael J. Szerlog*, Manager  
Aquatic Resources Unit  
Office of Ecosystems, Tribal, and Public Affairs  
Environmental Protection Agency  
1200 Sixth Avenue, Suite 900, Mailstop ETPA-202-2  
Seattle, Washington 98101  
(206) 553-0279  
[szerlog.michael@epa.gov](mailto:szerlog.michael@epa.gov)  
<image001.gif>

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**From:** Szalay, Endre

**Sent:** Tuesday, February 23, 2016 12:59 PM

**To:** Szerlog, Michael <[Szerlog.Michael@epa.gov](mailto:Szerlog.Michael@epa.gov)>; Murchie, Peter <[Murchie.Peter@epa.gov](mailto:Murchie.Peter@epa.gov)>;  
Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>; Meyer, Susan <[meyer.susan@epa.gov](mailto:meyer.susan@epa.gov)>

**Subject:** HTL Workgroup - PMP revision

Hi Folks – Jim sent around PMP revisions today. They did not send in track changes so it's difficult to tell what was revised. I've asked Craig to have Jim send around the track changes version. I did take a quick look and **Deliberative Process / Ex. 5**

**Deliberative Process / Ex. 5** We've raised this in edits and verbally a couple times now. I've made suggested revisions and comments in the attached. Let me know if you have questions. I can send over to Jim today, or we can wait for the track changes version and discuss our issues tomorrow.

Endre M. Szalay  
Assistant Regional Counsel  
U.S. EPA, Region 10  
1200 Sixth Ave., Suite 900, ORC-113  
Seattle, WA 98101-3140  
(206) 553-1073  
[szalay.endre@epa.gov](mailto:szalay.endre@epa.gov)

<image002.png>

<PMP\_rev (00000002), EPA comments.docx>

## Appointment

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**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 3/14/2016 7:18:52 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** Accepted: Discuss High Tide Line Mapping  
**Location:** Heather Will Call  
  
**Start:** 3/15/2016 4:00:00 PM  
**End:** 3/15/2016 4:30:00 PM  
**Show Time As:** Busy

Heather, I will be working at home so a call would be great. My landline at home Personal Phone / Ex. 6 Thanks!



Message

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**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 3/11/2016 6:04:06 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** RE: HTL Study Sites & Matrix

Okay. Thanks.

**Deliberative Process / Ex. 5**

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**From:** Dean, Heather  
**Sent:** Thursday, March 10, 2016 4:33 PM  
**To:** Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** RE: HTL Study Sites & Matrix

Hi, Susan.

# Deliberative Process / Ex. 5

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**From:** Meyer, Susan  
**Sent:** Thursday, March 10, 2016 4:20 PM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: HTL Study Sites & Matrix

Heather I agree with Endre's comments for the most part.

**Deliberative Process / Ex. 5**

**Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

Tomorrow I will work on filling in the tables that are relevant to my knowledge. Thanks for your work on this.

Susan

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**From:** Dean, Heather  
**Sent:** Thursday, March 10, 2016 3:07 PM  
**To:** Szerlog, Michael <Szerlog.Michael@epa.gov>; Murchie, Peter <Murchie.Peter@epa.gov>; Szalay, Endre <Szalay.Endre@epa.gov>  
**Cc:** Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** FW: HTL Study Sites & Matrix

Greetings,

I am working on my assignments stemming from yesterday's HTL meeting & wanted to touch base with you all on two issues before moving on to coordination with the other agencies:

#### Proposed Study Sites

As I understood it, one action item was to identify some sites for us to use both in a GIS exercise to show the differences/physical implications between various options for HTL &, possibly at least, to visit to observe those differences in person. The direction, as I understood it, was to include a) stations where we already have the data we need; b) at least one station "on the coast," which I'm interpreting to mean outside Puget Sound, although it could mean on the "outer coast;" & c) at least one station on or in close proximity to tribal lands.

# Deliberative Process / Ex. 5

#### HTL Matrix

# Deliberative Process / Ex. 5

Thanks much,

Heather

Message

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**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 5/24/2016 3:50:55 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** RE: GPS elevation results from HTL datum comparison field work 5/5/16

Agreed.

---

**From:** Dean, Heather  
**Sent:** Tuesday, May 24, 2016 7:15 AM  
**To:** Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** RE: GPS elevation results from HTL datum comparison field work 5/5/16

Good morning.

# Deliberative Process / Ex. 5

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**From:** Meyer, Susan  
**Sent:** Monday, May 23, 2016 3:10 PM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: GPS elevation results from HTL datum comparison field work 5/5/16

## Deliberative Process / Ex. 5

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**From:** Siwiec, Tim  
**Sent:** Monday, May 23, 2016 3:01 PM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Cc:** Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** RE: GPS elevation results from HTL datum comparison field work 5/5/16

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

**From:** Dean, Heather  
**Sent:** Monday, May 23, 2016 2:51 PM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Cc:** Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** RE: GPS elevation results from HTL datum comparison field work 5/5/16

Hi, Tim.

After taking a look at the maps you sent, I am confused

**Deliberative Process / Ex. 5**

## Deliberative Process / Ex. 5

Thanks,

Heather

# Deliberative Process / Ex. 5

**From:** Siwiec, Tim  
**Sent:** Friday, May 06, 2016 10:39 AM  
**To:** Dionne, Phillip E (DFW) <Phillip.Dionne@dfw.wa.gov>; Meyer, Susan <meyer.susan@epa.gov>; Dean, Heather <Dean.Heather@epa.gov>; Szerlog, Michael <Szerlog.Michael@epa.gov>; Murchie, Peter <Murchie.Peter@epa.gov>; Szalay, Endre <Szalay.Endre@epa.gov>  
**Subject:** GPS elevation results from HTL datum comparison field work 5/5/16

Nice working with you all yesterday!

Here are screenshots of the characterized tides we observed and collected GPS elevation points for yesterday at our 3 sites.

## Deliberative Process / Ex. 5

# **Deliberative Process / Ex. 5**

Tacoma

# **Deliberative Process / Ex. 5**

Tulalip Bay:

# Deliberative Process / Ex. 5

For more a more detailed view, checkout out EPA's Geoplatform for online viewing of these maps:

<http://arcg.is/1ZnIVhu>

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OEA-095 | Seattle, WA 98101  
206.553.2147

Message

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**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 5/18/2016 3:07:17 PM  
**To:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Subject:** RE: HTL field work

Okay. Yes, I agree and when Heather and I go out next week together to Seattle, we plan to put together a demonstration of the two different ways of finding the lines. So I will put the "methods" checklist together after that.

Talk to you soon.

---

**From:** Murchie, Peter  
**Sent:** Wednesday, May 18, 2016 7:55 AM  
**To:** Meyer, Susan <meyer.susan@epa.gov>  
**Cc:** Szerlog, Michael <Szerlog.Michael@epa.gov>; Szerlog, Michael <Szerlog.Michael@epa.gov>; Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: HTL field work

Susan,  
Looping in Michael and Endre as they may have good input as well on this.

What I think we were discussing is a 'checklist'/how to sheet for each method we used so it is easy to follow/understand (not a chart) in the field when everyone is out together. Goal it so show that it is easy to do.

Remembering what we did I think it should also include a glossary of terms and conversions we used.

Happy to talk it thru – thanks again for organizing the field trip,  
Peter

---

**From:** Meyer, Susan  
**Sent:** Friday, May 13, 2016 8:06 AM  
**To:** Murchie, Peter <Murchie.Peter@epa.gov>  
**Subject:** HTL field work

Hi Peter, You mentioned in the field last week and yesterday, that you think I should develop a chart for the Corps for the different ways to get at the elevations. I am not sure what you are looking for.

Could you please explain what you are visualizing?  
Thanks,

Susan Meyer  
EPA Region 10  
Puget Sound and National Estuary Programs  
1200 6<sup>th</sup> Aveune, Suite 900  
Seattle, Washington 98101-3140  
206-553-1078  
[Meyer.susan@epa.gov](mailto:Meyer.susan@epa.gov)



## Appointment

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**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 1/20/2016 8:29:08 PM  
**To:** Murchie, Peter [Murchie.Peter@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]; Dean, Heather [Dean.Heather@epa.gov]; Meyer, Susan [meyer.susan@epa.gov]  
**BCC:** R10Sea-Room-19Orca/R10-Rooms-Service-Center [R10Sea-Room-19Orca@epa.gov]  
**Subject:** Discussion on HTL/shoreline protection prior to 1/27 Corps phone call  
**Attachments:** Corps HTL action plan.docx  
**Location:** R10Sea-Room-19Orca/R10-Rooms-Service-Center  
**Start:** 1/26/2016 10:00:00 PM  
**End:** 1/26/2016 11:00:00 PM  
**Show Time As:** Tentative

Please review the attached document prior to the meeting on Tues.

### Draft Agenda

- Discuss the Corps' draft action plan (attached)
- How do we introduce science and Heather's background work into the draft action plan?
- Talk about our approach for the 1/27/16 phone meeting

Thanks! Let me know if you have anything to add or change!



Corps HTL action  
plan.docx

Susan

Message

---

**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 4/28/2016 4:41:58 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** RE: Practice field HTL in Seattle and Tacoma

Yes. I think we will meet here (I have two cars reserved) and head down to Tacoma first.

---

**From:** Szalay, Endre  
**Sent:** Tuesday, April 26, 2016 11:36 AM  
**To:** Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** RE: Practice field HTL in Seattle and Tacoma

Hi Susan. Is this field visit still on for next week? Thanks

Endre Szalay  
US EPA Region 10  
Office of Regional Counsel  
206-553-1073

-----Original Appointment-----

**From:** Meyer, Susan  
**Sent:** Friday, April 08, 2016 1:15 PM  
**To:** Meyer, Susan; Dionne, Phillip E (DFW); Siwec, Tim; Szerlog, Michael; Dean, Heather; Murchie, Peter; Szalay, Endre  
**Subject:** Practice field HTL in Seattle and Tacoma  
**When:** Thursday, May 05, 2016 8:00 AM-2:00 PM (UTC-08:00) Pacific Time (US & Canada).  
**Where:** meet at either Tacoma or Seattle beach site

Hi All,

This date is an alternative to the May 10 or 11 dates I had you hold, because Phill Dionne can't make those two dates. Don't worry if you can't make this May 5 date. I will go out with Phill and hopefully Tim S. with the Trimble to see where on the Tacoma or Seattle Beaches the elevations line up and then when we all go out, we can hopefully see it together on May 10 or 11.

Thanks,  
Susan Meyer

## Appointment

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**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 4/18/2016 4:30:09 PM  
**To:** Murchie, Peter [Murchie.Peter@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]; Siwec, Tim [Siwec.Tim@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]; Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** Canceled: Hold for practice HTL field exercise until I nail down which day works for Phill Dionne  
**Location:** out and about  
  
**Start:** 5/10/2016 3:00:00 PM  
**End:** 5/11/2016  
**Show Time As:** Free  
  
**Importance:** High

Please disregard previous request! Timing was off.  
It will only be one of these days. Will let you know which asap.

Message

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**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 10/24/2016 4:41:41 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** RE: HTL Report

Works for me.

**Deliberative Process / Ex. 5**

---

**From:** Dean, Heather  
**Sent:** Monday, October 24, 2016 9:26 AM  
**To:** Szerlog, Michael <Szerlog.Michael@epa.gov>; Murchie, Peter <Murchie.Peter@epa.gov>; Meyer, Susan <meyer.susan@epa.gov>; Szalay, Endre <Szalay.Endre@epa.gov>  
**Subject:** HTL Report

FYI, since Jim was ambivalent, I elected not to include the information to address Endre's suggestion of providing other %'s of occurrence for comparison to that provided for MHHW. The table below gives the averages for the six study sites:

Elevation	Average Occurrence
< MHHW	72%
≥ MHHW	28%
≥ MMHT	4%
≥ 6" < MAHT	1.6%
≥ 3" < MAHT	0.7%
≥ MAHT	0.2%

Message

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**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 8/1/2016 5:13:23 PM  
**To:** Siwiec, Tim [Siwiec.Tim@epa.gov]; Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** RE: High Tide Line Maps: "Close to" Final Draft

Looks good to me!

---

**From:** Siwiec, Tim  
**Sent:** Monday, August 01, 2016 9:50 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Cc:** Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** High Tide Line Maps: "Close to" Final Draft

Heather, attached are all 6 maps in one PDF.  
Please take a look.  
I can do another round of editing later today or tomorrow if needed.

Thx

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, August 01, 2016 9:23 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: High Tide Line Maps

These three are great; thank!

---

**From:** Siwiec, Tim  
**Sent:** Monday, August 01, 2016 9:15 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: High Tide Line Maps

Keep the QA/QC editing coming!

Just one more map to go (Tulalip)

3 maps attached.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10

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**From:** Dean, Heather  
**Sent:** Monday, August 01, 2016 8:54 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: High Tide Line Maps

Oh, ok; was waiting till you sent the other two. Actually, I found a second tiny thing.

**Deliberative Process / Ex. 5**

## Deliberative Process / Ex. 5

Thanks!

---

**From:** Siwiec, Tim  
**Sent:** Monday, August 01, 2016 8:51 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: High Tide Line Maps

Great, lemme know what it is in the next 2 hours pls

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, August 01, 2016 7:39 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: High Tide Line Maps

Awesome. Sounds good; I've got one tiny thing. Thanks!

**Deliberative Process / Ex. 5**

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**From:** Siwiec, Tim  
**Sent:** Thursday, July 28, 2016 2:11 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Cc:** Meyer, Susan <[meyer.susan@epa.gov](mailto:meyer.susan@epa.gov)>  
**Subject:** RE: High Tide Line Maps

Heather, I was able to make the changes your requested to 4 of the 6 maps outlined below.  
I will most likely get the last two completed Monday morning.

Also that would be a good time to discuss further tweaks if needed to the set of 6.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10

**From:** Dean, Heather  
**Sent:** Tuesday, July 26, 2016 8:21 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** FW: High Tide Line Maps

Hi, Tim.

# Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

Let me know if you have any issues or questions.

Thanks,

Heather

**From:** Dean, Heather  
**Sent:** Monday, July 25, 2016 3:00 PM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** High Tide Line Maps

Hi, Tim.

## Deliberative Process / Ex. 5

To that end, I have a few requested revisions, as well as a couple of questions. Here they are:

# Deliberative Process / Ex. 5

# **Deliberative Process / Ex. 5**

Let me know if you have any questions or issues.

Thanks!

Heather



Message

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**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 9/27/2016 11:11:19 PM  
**To:** Szerlog, Michael [Szerlog.Michael@epa.gov]; Dean, Heather [Dean.Heather@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]  
**CC:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Subject:** **Deliberative Process / Ex. 5**  
**Attachments:** federalshorelinehabitatDRAFT09142016.docx

New date, but no revisions yet. 12 MB of goodness.

Susan Meyer  
EPA Region 10  
Puget Sound and National Estuary Programs  
1200 6<sup>th</sup> Aveune, Suite 900  
Seattle, Washington 98101-3140  
206-553-1078  
[Meyer.susan@epa.gov](mailto:Meyer.susan@epa.gov)

## Appointment

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**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 6/24/2016 4:15:00 PM  
**To:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Subject:** Accepted: HTL EPA Team Huddle  
**Location:** Peter's Office - can call folks as needed  
**Start:** 6/24/2016 8:00:00 PM  
**End:** 6/24/2016 8:30:00 PM  
**Show Time As:** Busy

## Appointment

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**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 6/24/2016 4:00:48 PM  
**To:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Subject:** Accepted: HTL EPA Team Huddle  
**Location:** Peter's Office - can call folks as needed  
**Start:** 6/24/2016 7:30:00 PM  
**End:** 6/24/2016 8:00:00 PM  
**Show Time As:** Busy

## Appointment

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**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 9/21/2016 3:51:18 PM  
**To:** Szerlog, Michael [Szerlog.Michael@epa.gov]  
**Subject:** Accepted: High Tide Line - reserving room for today's call with Corps - Seattle District  
**Location:** R10Sea-Room-20Chinook/R10-Rooms-Service-Center  
**Start:** 9/21/2016 4:00:00 PM  
**End:** 9/21/2016 5:30:00 PM  
**Show Time As:** Busy

Message

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**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 6/23/2016 6:56:55 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]; Murchie, Peter [Murchie.Peter@epa.gov]  
**Subject:** RE: Heather and Susan version of HTL Master document  
**Attachments:** 6-23-Shoreline Habitat Protection Report\_draft\_MASTER-HED-SDM edits.docx

Yup! And here is the document

---

**From:** Dean, Heather  
**Sent:** Thursday, June 23, 2016 11:55 AM  
**To:** Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** RE: Heather and Susan version of HTL Master document

Thanks, Susan. Did you forget to attach the document?

---

**From:** Meyer, Susan  
**Sent:** Thursday, June 23, 2016 11:50 AM  
**To:** Szalay, Endre <Szalay.Endre@epa.gov>  
**Cc:** Dean, Heather <Dean.Heather@epa.gov>; Szerlog, Michael <Szerlog.Michael@epa.gov>; Murchie, Peter <Murchie.Peter@epa.gov>  
**Subject:** Heather and Susan version of HTL Master document

Endre, Your turn. Let us know if you have questions. Heather did a great job of editing most of the document. Her edits are purple, mine are red.

Have fun!

Susan Meyer  
EPA Region 10  
Puget Sound and National Estuary Programs  
1200 6<sup>th</sup> Aveune, Suite 900  
Seattle, Washington 98101-3140  
206-553-1078  
[Meyer.susan@epa.gov](mailto:Meyer.susan@epa.gov)

Message

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**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 6/22/2016 7:38:35 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** RE: HTL - report writing

How about next Wed at the last (?) meeting.

-----Original Message-----

From: Dean, Heather  
Sent: Wednesday, June 22, 2016 12:31 PM  
To: Meyer, Susan <meyer.susan@epa.gov>  
Subject: RE: HTL - report writing

Good; thanks! I'd really, really like to do a tutorial for the workgroup on how I calculated MHPT & what is necessary for an annual update (very little).

-----Original Message-----

From: Meyer, Susan  
Sent: Wednesday, June 22, 2016 12:12 PM  
To: Dean, Heather <Dean.Heather@epa.gov>  
Subject: RE: HTL - report writing

Just had a conversation with a woman from the Point no Point area, as she called about questions relating to MHPT. I really don't think they understood how to calculate it or what it means in the long term for the HTL. I explained a bit, but told her to call you with any further questions. First name was Cynthia, but couldn't make out her last name.

On page 3! Nice work - I don't have to do much :)

-----Original Message-----

From: Dean, Heather  
Sent: Wednesday, June 22, 2016 11:23 AM  
To: Meyer, Susan <meyer.susan@epa.gov>  
Subject: RE: HTL - report writing

Crap; I just made a change early on. Here's the revised one:

-----Original Message-----

From: Meyer, Susan  
Sent: Wednesday, June 22, 2016 11:17 AM  
To: Dean, Heather <Dean.Heather@epa.gov>  
Subject: RE: HTL - report writing

Thank you! I'm on it!

-----Original Message-----

From: Dean, Heather  
Sent: Wednesday, June 22, 2016 11:08 AM  
To: Meyer, Susan <meyer.susan@epa.gov>  
Subject: RE: HTL - report writing

Hi. I've been through almost the first four pages so far. The pink highlighting identifies the start of what I haven't yet reviewed.

-----Original Message-----

From: Meyer, Susan  
Sent: Tuesday, June 21, 2016 9:28 AM  
To: Dean, Heather <Dean.Heather@epa.gov>; Szalay, Endre <Szalay.Endre@epa.gov>; Szerlog, Michael <Szerlog.Michael@epa.gov>; Murchie, Peter <Murchie.Peter@epa.gov>  
Subject: FW: HTL - report writing

Hi Heather, Endre, Michael and Peter,

Draft master report attached for your editing pleasure.

Susan

-----Original Message-----

From: Jacobson, James R NWS [mailto:James.R.Jacobson@usace.army.mil]

Sent: Tuesday, June 21, 2016 9:01 AM

To: Dean, Heather <Dean.Heather@epa.gov>; elizabeth.babcock@noaa.gov; Juckniess, Craig M NWS <Craig.M.Juckniess@usace.army.mil>; matthew.longenbaugh@noaa.gov; Meyer, Susan <meyer.susan@epa.gov>; Morris, Frances NWS <Frances.Morris@usace.army.mil>; Murchie, Peter <Murchie.Peter@epa.gov>; Ryan Couch <ryan.couch@noaa.gov>; Szalay, Endre <Szalay.Endre@epa.gov>; Szerlog, Michael <Szerlog.Michael@epa.gov>; Tong, Kristina G NWS <Kristina.G.Tong@usace.army.mil>; Walker, Michelle NWS <Michelle.Walker@usace.army.mil>; Gibson, Peter D NWS <Peter.D.Gibson@usace.army.mil>  
Subject: RE: HTL - report writing

Update #3: The report is posted on SharePoint under the library folder "Administration" and it's titled: Shoreline Habitat Protection Report\_draft\_MASTER.docx. Don't confuse it with an earlier draft report (it doesn't have the word MASTER in the title); I can't seem to remove that one right now.

For those of you that don't have access to the site (i.e., Heather), please get a copy of it from one of your coworkers to work on. When you're finished, please post your version to the SharePoint site in the same "Administration" folder with your initials attached to the file name. For those of you in the Corps that don't have access to the site, it's also posted under: Y:\OD\_NRM\ShorelineHabitatProtection

Please carve out a substantial chunk(s) of time between now and COB Friday to review and edit the report. As I mentioned at our last meeting, I want people to "write" in the document as if you were writing it. In other words, I don't want you to tell me that I should put something in there...., I want you to do it. Also, don't let the highlighted areas keep you from editing elsewhere in the report; I didn't use the highlighting equally across the report. One last thing, don't worry too much about how it reads or the flow of it, I'll take what you wrote and blend it.

On Monday, I'll take everyone's individual edits and start to blend them into the master copy (mine). By mid-week, I hope to have a final draft that I'll ask for one more review of, then the final polishing through the end of the week (formatting, etc.)

I know it's a super tight timeline and I appreciate everyone's efforts in getting this to the finish line.

Thanks. Jim

-----Original Message-----

From: Jacobson, James R NWS  
Sent: Monday, June 20, 2016 3:53 PM  
To: 'dean.heather@epa.gov' <dean.heather@epa.gov>; 'elizabeth.babcock@noaa.gov' <elizabeth.babcock@noaa.gov>; Juckniess, Craig M NWS <Craig.M.Juckniess@usace.army.mil>; 'matthew.longenbaugh@noaa.gov' <matthew.longenbaugh@noaa.gov>; 'meyer.susan@epa.gov' <meyer.susan@epa.gov>; Morris, Frances NWS <Frances.Morris@usace.army.mil>; 'murchie.peter@epa.gov' <murchie.peter@epa.gov>; Ryan Couch <ryan.couch@noaa.gov>; 'Szalay.endre@epa.gov' <Szalay.endre@epa.gov>; 'szerlog.michael@epa.gov' <szerlog.michael@epa.gov>; Tong, Kristina G NWS <Kristina.G.Tong@usace.army.mil>; Walker, Michelle NWS <Michelle.Walker@usace.army.mil>; Gibson, Peter D NWS <Peter.D.Gibson@usace.army.mil>  
Subject: RE: HTL - report writing

Update #2: I'm still writing the report and will post it to SharePoint by 9am Tuesday with a quick note to everyone on its posting. As a teaser for tomorrow, I found that I was starting to make writing assignments in the Alternatives Analysis section; it'll be obvious. Also, you'll notice that throughout the document, the writing is kind of clunky and this is where I need people to "weave" in their thoughts. I'm hoping that my writing will be a primer for bigger and better things. No section is off limits!

Logistically, I don't have a clear path for how to edit the document efficiently other than each of you taking it and editing the ENTIRE document on your own by COB Friday. My plan is to then take everyone's edits and "blend" them into the document early next week. As for figures and tables, I have an idea of where some will go, but I'm open to suggestions in your edited version.

Finally, my plan is to push hard next week to polish the report and get it down to a final that we feel is worthy of the work everyone's put into it. I only ask that for the next two weeks if you can make this your highest priority and respond as quickly as possible to any requests, it would be greatly appreciated.

Thanks again for your hard work and it's been a pleasure working with all of you.

Thanks. Jim

-----Original Message-----

From: Jacobson, James R NWS  
Sent: Friday, June 17, 2016 10:38 AM  
To: 'dean.heather@epa.gov' <dean.heather@epa.gov>; 'elizabeth.babcock@noaa.gov' <elizabeth.babcock@noaa.gov>; Jacobson, James R NWS <James.R.Jacobson@usace.army.mil>; Juckniess, Craig M NWS <Craig.M.Juckniess@usace.army.mil>; 'matthew.longenbaugh@noaa.gov' <matthew.longenbaugh@noaa.gov>; 'meyer.susan@epa.gov' <meyer.susan@epa.gov>; Morris, Frances NWS <Frances.Morris@usace.army.mil>; 'murchie.peter@epa.gov' <murchie.peter@epa.gov>; Ryan Couch <ryan.couch@noaa.gov>; 'Szalay.endre@epa.gov' <Szalay.endre@epa.gov>; 'szerlog.michael@epa.gov' <szerlog.michael@epa.gov>; Tong, Kristina G NWS <Kristina.G.Tong@usace.army.mil>; Walker, Michelle NWS <Michelle.Walker@usace.army.mil>; Gibson, Peter D NWS <Peter.D.Gibson@usace.army.mil>  
Subject: HTL - report writing

Good Morning All,

Just a quick update on the report writing effort: I've spent some time thinking about how to be efficient with everyone's time and came to the conclusion that by not having a rough draft done, it makes it pretty difficult for people to edit and weave in additional information. So, I propose that everyone PAUSE on editing the draft report and let me finish writing the document in its entirety. I'm going shoot for a Monday COB completion and will post it on the SharePoint site either Monday evening or Tuesday AM for everyone to start editing. In the meantime, if you're working on any photos, graphs, maps, tables, matrices, etc., please start to clean them up and format them for inclusion into the Word document report as appendices and/or figures or tables.

If anyone has any questions, please ask.

Also, I thought I'd give everyone a quick update on how our meeting with the NWIFC went yesterday..., it went pretty good. They had good questions and comments; all that we can use to make our report better and clearer. They appreciated our work and are looking forward to a final. Thanks to Susan, Lori, Melissa (Corps), and Elizabeth for their participation.

I think that's it. Everyone have a good weekend and I hope to have the draft report done Monday COB.

Thanks. Jim



Message

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**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 10/13/2016 10:50:18 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** RE: Please let me know when you are finished with your review of HTL

Thanks Endre, it is safely uploaded on the Corps' sharepoint now. If you have any other concerns, I suggest you call Jim J. directly. We will know more about the visuals next week when Heather gets the figures finished.

---

**From:** Szalay, Endre  
**Sent:** Thursday, October 13, 2016 3:24 PM  
**To:** Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** RE: Please let me know when you are finished with your review of HTL

Review complete and uploaded to sharepoint. Let me know if you have questions. Thanks!

Endre Szalay  
US EPA Region 10  
Office of Regional Counsel  
206-553-1073

---

**From:** Meyer, Susan  
**Sent:** Thursday, October 13, 2016 12:25 PM  
**To:** Szalay, Endre <[Szalay.Endre@epa.gov](mailto:Szalay.Endre@epa.gov)>  
**Subject:** Please let me know when you are finished with your review of HTL

I will send it off to COE then. Thanks!

Susan Meyer  
EPA Region 10  
Puget Sound and National Estuary Programs  
1200 6<sup>th</sup> Aveune, Suite 900  
Seattle, Washington 98101-3140  
206-553-1078  
[Meyer.susan@epa.gov](mailto:Meyer.susan@epa.gov)

Message

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**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 6/13/2016 3:36:12 PM  
**To:** Szerlog, Michael [Szerlog.Michael@epa.gov]; Dean, Heather [Dean.Heather@epa.gov]; Murchie, Peter [Murchie.Peter@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** RE: HTL - face to face on Wed?

I believe the meeting is still on, but I will probably be driving in from home. I have not reserved a car.

---

**From:** Szerlog, Michael  
**Sent:** Monday, June 13, 2016 8:32 AM  
**To:** Meyer, Susan <meyer.susan@epa.gov>; Dean, Heather <Dean.Heather@epa.gov>; Murchie, Peter <Murchie.Peter@epa.gov>; Szalay, Endre <Szalay.Endre@epa.gov>  
**Subject:** HTL - face to face on Wed?

Morning,

Just checking in to see if this meeting is still on and if anyone reserved a car? We need to figure that out today ASAP.

Thanks

*Michael J. Szerlog*, Manager

Aquatic Resources Unit  
Office of Environmental Review and Assessment  
Environmental Protection Agency  
1200 Sixth Avenue, Suite 900, Mailstop OERA-202-2  
Seattle, Washington 98101  
(206) 553-0279  
[szerlog.michael@epa.gov](mailto:szerlog.michael@epa.gov)



Message

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**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 8/25/2016 10:16:18 PM  
**To:** Angela Bonifaci [bonifaci.angela@epa.gov]; Ann Dunn [dunn.ann@epa.gov]; Castner, Chris [Castner.Chris@epa.gov]; Chang, Lisa [Chang.Lisa@epa.gov]; Gina Bonifacino [bonifacino.gina@epa.gov]; Hanft, Sally [Hanft.Sally@epa.gov]; Marshalonis, Dino [Marshalonis.Dino@epa.gov]; Michael Rylko [rylko.michael@epa.gov]; Murchie, Peter [Murchie.Peter@epa.gov]; Richter, Randy [Richter.Randy@epa.gov]; Whitaker, Melissa [Whitaker.Melissa@epa.gov]; Zachmann, Bill [Zachmann.Bill@epa.gov]  
**Subject:** High Tide Line Report  
**Attachments:** **Deliberative Process / Ex. 5**

Puget Sounders,

As Peter mentioned today at the meeting, the attached report should not be sent outside this Unit.

Deliberative Process / Ex. 5

**Deliberative Process / Ex. 5**

Enjoy!

Susan Meyer  
EPA Region 10  
Puget Sound and National Estuary Programs  
1200 6<sup>th</sup> Aveune, Suite 900  
Seattle, Washington 98101-3140  
206-553-1078  
[Meyer.susan@epa.gov](mailto:Meyer.susan@epa.gov)

Message

---

**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 8/9/2016 9:34:11 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** RE: HTL Report

Okay. Sweat, I will!

---

**From:** Dean, Heather  
**Sent:** Tuesday, August 09, 2016 2:33 PM  
**To:** Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** RE: HTL Report

She did, & Michael called Jim [Deliberative Process / Ex. 5] I don't know the details.

---

**From:** Meyer, Susan  
**Sent:** Tuesday, August 09, 2016 2:32 PM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: HTL Report

Do you know if Justine commented on the DMMP issue?

---

**From:** Dean, Heather  
**Sent:** Tuesday, August 09, 2016 2:27 PM  
**To:** Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** HTL Report

Hj, Susan. Rumor has it that Jim will be posting [Deliberative Process / Ex. 5]

[Deliberative Process / Ex. 5] Are you around to download it?

Message

---

**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 8/9/2016 3:55:33 PM  
**To:** Szerlog, Michael [Szerlog.Michael@epa.gov]  
**CC:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** RE: Final HTL Report

Yes.

---

**From:** Szerlog, Michael  
**Sent:** Tuesday, August 09, 2016 8:54 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>; Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** RE: Final HTL Report

I asked Justine Barton to review. My guess, after looking at it again, is that we will need to edit some of the text. Can you let Jim know...Justine will get back to me soon.

Thanks

*Michael J. Szerlog*, Manager  
Aquatic Resources Unit  
Office of Environmental Review and Assessment  
Environmental Protection Agency  
1200 Sixth Avenue, Suite 900, Mailstop OERA-202-2  
Seattle, Washington 98101  
(206) 553-0279  
[szerlog.michael@epa.gov](mailto:szerlog.michael@epa.gov)



---

**From:** Dean, Heather  
**Sent:** Tuesday, August 09, 2016 8:05 AM  
**To:** Szerlog, Michael <[Szerlog.Michael@epa.gov](mailto:Szerlog.Michael@epa.gov)>; Meyer, Susan <[meyer.susan@epa.gov](mailto:meyer.susan@epa.gov)>  
**Subject:** RE: Final HTL Report

I have no idea; I didn't get involved in that part of the report.

---

**From:** Szerlog, Michael  
**Sent:** Tuesday, August 09, 2016 7:06 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>; Meyer, Susan <[meyer.susan@epa.gov](mailto:meyer.susan@epa.gov)>  
**Subject:** RE: Final HTL Report

Was this something the Corps put forward after talking with the DMMP? Do you know if Teena's group weighed in? If not, I need to scramble today to have them look at that language.

Thanks

*Michael J. Szerlog*, Manager  
Aquatic Resources Unit

Office of Environmental Review and Assessment  
Environmental Protection Agency  
1200 Sixth Avenue, Suite 900, Mailstop OERA-202-2  
Seattle, Washington 98101  
(206) 553-0279  
[szerlog.michael@epa.gov](mailto:szerlog.michael@epa.gov)



---

**From:** Dean, Heather  
**Sent:** Monday, August 08, 2016 5:31 PM  
**To:** Allnutt, David <[Allnutt.David@epa.gov](mailto:Allnutt.David@epa.gov)>; Szerlog, Michael <[Szerlog.Michael@epa.gov](mailto:Szerlog.Michael@epa.gov)>; Meyer, Susan <[meyer.susan@epa.gov](mailto:meyer.susan@epa.gov)>  
**Subject:** RE: Final HTL Report

Got it. Thanks, David.

Actually, what I "got" were the two typos. I will have to defer your question on the DMMO permits, since I didn't work on this section.

---

**From:** Allnutt, David  
**Sent:** Monday, August 08, 2016 4:54 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>; Szerlog, Michael <[Szerlog.Michael@epa.gov](mailto:Szerlog.Michael@epa.gov)>; Meyer, Susan <[meyer.susan@epa.gov](mailto:meyer.susan@epa.gov)>  
**Subject:** FW: Final HTL Report

Again, very nice job by the team. Hardly earthshattering, but I note a couple of typos:

- On p. iii, in the last paragraph, "Alternative 2, MHPT, is an elevation that is be reasonably representative..." The word "be" should be deleted.
- On p. 39, in the left column, "Review DMMO permits and processes for areas where beneficial use of material can be streamlined promoted." The word "streamlined" should be deleted.

## Deliberative Process / Ex. 5

R. David Allnutt, Director  
Office of Environmental Review and Assessment  
U.S. EPA, Region 10  
1200 Sixth Avenue, Suite 900  
Seattle, Washington 98101-3140  
(206) 553-2581

-----Original Message-----

From: Szerlog, Michael  
Sent: Monday, August 08, 2016 9:40 AM  
To: Allnutt, David <[Allnutt.David@epa.gov](mailto:Allnutt.David@epa.gov)>  
Subject: FW: Final HTL Report

David,

If you have anything, get it to Heather by COB today.

Thanks

Michael J. Szerlog, Manager  
Aquatic Resources Unit  
Office of Environmental Review and Assessment Environmental Protection Agency  
1200 Sixth Avenue, Suite 900, Mailstop OERA-202-2 Seattle, Washington 98101  
(206) 553-0279  
[szerlog.michael@epa.gov](mailto:szerlog.michael@epa.gov)

-----Original Message-----

From: Dean, Heather  
Sent: Monday, August 08, 2016 9:32 AM  
To: Murchie, Peter <[Murchie.Peter@epa.gov](mailto:Murchie.Peter@epa.gov)>; Szalay, Endre <[Szalay.Endre@epa.gov](mailto:Szalay.Endre@epa.gov)>; Meyer, Susan <[meyer.susan@epa.gov](mailto:meyer.susan@epa.gov)>  
Cc: Szerlog, Michael <[Szerlog.Michael@epa.gov](mailto:Szerlog.Michael@epa.gov)>  
Subject: RE: Final HTL Report

Hi, guys. Let's compile our comments, as we've done with the other drafts. Michael's already sent me his, so if you guys could do the same, I can compile them & call Jim at the end of the day. Let me know if you want to join in on that conversation.

Thanks,

Heather

-----Original Message-----

From: Jacobson, James R NWS [<mailto:James.R.Jacobson@usace.army.mil>]  
Sent: Monday, August 08, 2016 9:11 AM  
To: Walker, Michelle NWS <[Michelle.Walker@usace.army.mil](mailto:Michelle.Walker@usace.army.mil)>; Tong, Kristina G NWS <[Kristina.G.Tong@usace.army.mil](mailto:Kristina.G.Tong@usace.army.mil)>; Morris, Frances NWS <[Frances.Morris@usace.army.mil](mailto:Frances.Morris@usace.army.mil)>; Murchie, Peter <[Murchie.Peter@epa.gov](mailto:Murchie.Peter@epa.gov)>; Szerlog, Michael <[Szerlog.Michael@epa.gov](mailto:Szerlog.Michael@epa.gov)>; Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>; Szalay, Endre <[Szalay.Endre@epa.gov](mailto:Szalay.Endre@epa.gov)>; 'elizabeth.babcock@noaa.gov' <[elizabeth.babcock@noaa.gov](mailto:elizabeth.babcock@noaa.gov)>; 'ryan.couch@noaa.gov' <[ryan.couch@noaa.gov](mailto:ryan.couch@noaa.gov)>; 'matthew.longenbaugh@noaa.gov' <[matthew.longenbaugh@noaa.gov](mailto:matthew.longenbaugh@noaa.gov)>; Meyer, Susan <[meyer.susan@epa.gov](mailto:meyer.susan@epa.gov)>; Juckniess, Craig M NWS <[Craig.M.Juckniess@usace.army.mil](mailto:Craig.M.Juckniess@usace.army.mil)>; Gibson, Peter D NWS <[Peter.D.Gibson@usace.army.mil](mailto:Peter.D.Gibson@usace.army.mil)>  
Subject: FW: Final HTL Report

Good Morning All,

First off, I want to thank Heather for organizing this document and getting it out to the team for review. As you can read from Heather's message on Friday, SharePoint wasn't going to let us off the hook that easy. Grrrrrrrr!!!!!! That said, I do want to ask that for those of you providing comments on

the final draft; if you do have access to SharePoint, please post them there. If you don't, please call me and we can go through them live over the phone. I'd like to minimize the cross-agency email traffic if possible.

Remember, review period closes at the end of the day!

I can see the finish line!!!!!!

Thanks. Jim

-----Original Message-----

From: Dean, Heather [<mailto:Dean.Heather@epa.gov>]

Sent: Friday, August 05, 2016 3:05 PM

Subject: [EXTERNAL] Final HTL Report

Hi, everyone.

We've received the draft final HTL report from our graphics guy. Jim asked me to post it & let everyone know it's ready for final review. The thing is I've lost access to the SharePoint site, as have the other EPA folks I can reach this afternoon, so I'm here it is via e-mail. Jim asks that your review abide by the following stipulations:

- 1) Comments in NLT COB on Monday (8 Aug); &
- 2) Comments strictly limited to major errors or erroneous information, with no further editing of style & the like.

I believe I've included the entire team, so please don't forward this to anyone.

Thanks,

Heather



Message

---

**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 8/9/2016 3:11:06 PM  
**To:** Szerlog, Michael [Szerlog.Michael@epa.gov]  
**Subject:** RE: Final HTL Report

I don't know if Peter Gibson talked to Teena's group. I doubt it. I think he talked to the Corps folks who deal with DMMP and thought it was a quick easy fix. I coordinated with him and Krista R-P and Linda on the emergency response issues (e.g. putting riprap on the beach at Oceans shores after a large storm), but did not coordinate on this section. Sorry — I know very little about this section, but it has been in there from the beginning.

---

**From:** Szerlog, Michael  
**Sent:** Tuesday, August 09, 2016 7:06 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>; Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** RE: Final HTL Report

Was this something the Corps put forward after talking with the DMMP? Do you know if Teena's group weighed in? If not, I need to scramble today to have them look at that language.

Thanks

*Michael J. Szerlog*, Manager

Aquatic Resources Unit  
Office of Environmental Review and Assessment  
Environmental Protection Agency  
1200 Sixth Avenue, Suite 900, Mailstop OERA-202-2  
Seattle, Washington 98101  
(206) 553-0279  
[szerlog.michael@epa.gov](mailto:szerlog.michael@epa.gov)



---

**From:** Dean, Heather  
**Sent:** Monday, August 08, 2016 5:31 PM  
**To:** Allnutt, David <[Allnutt.David@epa.gov](mailto:Allnutt.David@epa.gov)>; Szerlog, Michael <[Szerlog.Michael@epa.gov](mailto:Szerlog.Michael@epa.gov)>; Meyer, Susan <[meyer.susan@epa.gov](mailto:meyer.susan@epa.gov)>  
**Subject:** RE: Final HTL Report

Got it. Thanks, David.

Actually, what I "got" were the two typos. I will have to defer your question on the DMMO permits, since I didn't work on this section.

---

**From:** Allnutt, David  
**Sent:** Monday, August 08, 2016 4:54 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>; Szerlog, Michael <[Szerlog.Michael@epa.gov](mailto:Szerlog.Michael@epa.gov)>; Meyer, Susan <[meyer.susan@epa.gov](mailto:meyer.susan@epa.gov)>  
**Subject:** FW: Final HTL Report

Again, very nice job by the team. Hardly earthshattering, but I note a couple of typos:

- On p. iii, in the last paragraph, "Alternative 2, MHPT, is an elevation that is be reasonably representative..." The word "be" should be deleted.
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## Deliberative Process / Ex. 5

R. David Allnutt, Director  
Office of Environmental Review and Assessment  
U.S. EPA, Region 10  
1200 Sixth Avenue, Suite 900  
Seattle, Washington 98101-3140  
(206) 553-2581

-----Original Message-----

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Sent: Monday, August 08, 2016 9:40 AM  
To: Allnutt, David <[Allnutt.David@epa.gov](mailto:Allnutt.David@epa.gov)>  
Subject: FW: Final HTL Report

David,

If you have anything, get it to Heather by COB today.

Thanks  
Michael J. Szerlog, Manager  
Aquatic Resources Unit  
Office of Environmental Review and Assessment Environmental Protection Agency  
1200 Sixth Avenue, Suite 900, Mailstop OERA-202-2 Seattle, Washington 98101  
(206) 553-0279  
[szerlog.michael@epa.gov](mailto:szerlog.michael@epa.gov)

-----Original Message-----

From: Dean, Heather  
Sent: Monday, August 08, 2016 9:32 AM  
To: Murchie, Peter <[Murchie.Peter@epa.gov](mailto:Murchie.Peter@epa.gov)>; Szalay, Endre <[Szalay.Endre@epa.gov](mailto:Szalay.Endre@epa.gov)>; Meyer, Susan <[meyer.susan@epa.gov](mailto:meyer.susan@epa.gov)>  
Cc: Szerlog, Michael <[Szerlog.Michael@epa.gov](mailto:Szerlog.Michael@epa.gov)>  
Subject: RE: Final HTL Report

Hi, guys. Let's compile our comments, as we've done with the other drafts. Michael's already sent me his, so if you guys could do the same, I can compile them & call Jim at the end of the day. Let me know if you want to join in on that conversation.

Thanks,

Heather

-----Original Message-----

From: Jacobson, James R NWS [mailto:James.R.Jacobson@usace.army.mil]

Sent: Monday, August 08, 2016 9:11 AM

To: Walker, Michelle NWS <Michelle.Walker@usace.army.mil>; Tong, Kristina G NWS <Kristina.G.Tong@usace.army.mil>; Morris, Frances NWS <Frances.Morris@usace.army.mil>; Murchie, Peter <Murchie.Peter@epa.gov>; Szerlog, Michael <Szerlog.Michael@epa.gov>; Dean, Heather <Dean.Heather@epa.gov>; Szalay, Endre <Szalay.Endre@epa.gov>; 'elizabeth.babcock@noaa.gov' <elizabeth.babcock@noaa.gov>; 'ryan.couch@noaa.gov' <ryan.couch@noaa.gov>; 'matthew.longenbaugh@noaa.gov' <matthew.longenbaugh@noaa.gov>; Meyer, Susan <meyer.susan@epa.gov>; Juckniess, Craig M NWS <Craig.M.Juckniess@usace.army.mil>; Gibson, Peter D NWS <Peter.D.Gibson@usace.army.mil>

Subject: FW: Final HTL Report

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Remember, review period closes at the end of the day!

I can see the finish line!!!!!!

Thanks. Jim

-----Original Message-----

From: Dean, Heather [mailto:Dean.Heather@epa.gov]

Sent: Friday, August 05, 2016 3:05 PM

Subject: [EXTERNAL] Final HTL Report

Hi, everyone.

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- 1) Comments in NLT COB on Monday (8 Aug); &
- 2) Comments strictly limited to major errors or erroneous information, with no further editing of style & the like.

I believe I've included the entire team, so please don't forward this to anyone.

Thanks,

Heather

Message

**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 6/9/2016 10:16:14 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]; Siwiec, Tim [Siwiec.Tim@epa.gov]  
**Subject:** RE: More High Tide Line Mapping

I don't either.

**Deliberative Process / Ex. 5**

---

**From:** Dean, Heather  
**Sent:** Thursday, June 09, 2016 2:19 PM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Cc:** Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** RE: More High Tide Line Mapping

That was the advice Jim received from several members of the team. I don't know where things stand on that.

---

**From:** Siwiec, Tim  
**Sent:** Thursday, June 09, 2016 2:12 PM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Cc:** Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** RE: More High Tide Line Mapping

Where did we leave this?

**Deliberative Process / Ex. 5**

thx

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, DERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Thursday, June 02, 2016 4:21 PM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Cc:** Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** More High Tide Line Mapping

Hi, Tim.

Last Monday, members of the HTL workgroup briefed Dennis & his counterparts at the Corps & NOAA.

**Deliberative Process / Ex. 5**

**Deliberative Process / Ex. 5**

**Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

Thanks,

Heather

Message

---

**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 6/13/2016 10:05:46 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]; Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** HTL recommendation

Hi Heather and Endre, After talking to Peter just now, it sounds like we three are to collaborate and come up with a one-ish page recommendation for the Corps to use (or not) to present to the Division. Endre, do you have a vision for what that might look like, or would you like Heather or I to come up with an outline? Please let me know, and I will gather my thoughts on what all to include. Peter thought it would be good to have something drafted by Wed, if that is possible.? Thanks!

Susan Meyer  
EPA Region 10  
Puget Sound and National Estuary Programs  
1200 6<sup>th</sup> Aveune, Suite 900  
Seattle, Washington 98101-3140  
206-553-1078  
[Meyer.susan@epa.gov](mailto:Meyer.susan@epa.gov)

Message

---

**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 6/28/2016 6:17:50 PM  
**To:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Subject:** We are finished editing the HTL doc.

Should I post it on the sharepoint site? Any word from Elizabeth?

Susan Meyer  
EPA Region 10  
Puget Sound and National Estuary Programs  
1200 6<sup>th</sup> Aveune, Suite 900  
Seattle, Washington 98101-3140  
206-553-1078  
[Meyer.susan@epa.gov](mailto:Meyer.susan@epa.gov)



Message

---

**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSAN]  
**Sent:** 8/8/2016 11:23:33 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]  
**Subject:** Emailing - HTL Report-Final Draft-EPA comments-8 Aug 16.pdf  
**Attachments:** Deliberative Process / Ex. 5.pdf

Message

---

**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 8/8/2016 11:22:25 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** RE: Final HTL Report

I can't save the document! Ack!

-----Original Message-----

From: Dean, Heather  
Sent: Monday, August 08, 2016 3:59 PM  
To: Meyer, Susan <meyer.susan@epa.gov>  
Subject: RE: Final HTL Report

I waited for David, rather than calling Jim before 3:00, but I still have nothing from him, & it looks like he's no longer in. So here's the document marked up per Michael's, Endre's, your & my comments. Thanks for posting it!!!

-----Original Message-----

From: Meyer, Susan  
Sent: Monday, August 08, 2016 1:53 PM  
To: Dean, Heather <Dean.Heather@epa.gov>  
Subject: RE: Final HTL Report

I guess I would say improve the capacity for enforcing the provisions... or something like that.

-----Original Message-----

From: Dean, Heather  
Sent: Monday, August 08, 2016 1:50 PM  
To: Meyer, Susan <meyer.susan@epa.gov>  
Subject: RE: Final HTL Report

Any preference on the verb?

-----Original Message-----

From: Meyer, Susan  
Sent: Monday, August 08, 2016 1:48 PM  
To: Dean, Heather <Dean.Heather@epa.gov>  
Subject: RE: Final HTL Report

Absolutely! Thank you!

-----Original Message-----

From: Dean, Heather  
Sent: Monday, August 08, 2016 1:46 PM  
To: Meyer, Susan <meyer.susan@epa.gov>  
Subject: RE: Final HTL Report

Hey, Susan. Are you okay with "to increase [or expand or improve or some other verb] enforcement of"? I know it's not necessarily cast in stone any longer, but "must avoid split infinitives" is one of those high school English rules that got drilled into me enough that I have a hard time not obeying!

-----Original Message-----

From: Meyer, Susan  
Sent: Monday, August 08, 2016 12:49 PM  
To: Dean, Heather <Dean.Heather@epa.gov>  
Subject: RE: Final HTL Report

My bigger picture comments are:

## Deliberative Process / Ex. 5

2. On page 19, please add the word "better" so that it reads, "Provide funding to Washington Department of Ecology to better enforce the provisions in the Shoreline Management Act". Ecology, including my former coworkers, would be mad if they read this since it assumes they don't currently enforce now, which they do, just not a lot!

Thanks! I have a meeting at 4:30, so if you don't want to call Jim, I can post it on the sharepoint before 4. Thanks again Heather!

-----Original Message-----

From: Dean, Heather

Sent: Monday, August 08, 2016 9:32 AM

To: Murchie, Peter <Murchie.Peter@epa.gov>; Szalay, Endre <Szalay.Endre@epa.gov>; Meyer, Susan <meyer.susan@epa.gov>

Cc: Szerlog, Michael <Szerlog.Michael@epa.gov>

Subject: RE: Final HTL Report

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Thanks,

Heather

-----Original Message-----

From: Jacobson, James R NWS [mailto:James.R.Jacobson@usace.army.mil]

Sent: Monday, August 08, 2016 9:11 AM

To: Walker, Michelle NWS <Michelle.Walker@usace.army.mil>; Tong, Kristina G NWS

<Kristina.G.Tong@usace.army.mil>; Morris, Frances NWS <Frances.Morris@usace.army.mil>; Murchie, Peter

<Murchie.Peter@epa.gov>; Szerlog, Michael <Szerlog.Michael@epa.gov>; Dean, Heather

<Dean.Heather@epa.gov>; Szalay, Endre <Szalay.Endre@epa.gov>; 'elizabeth.babcock@noaa.gov'

<elizabeth.babcock@noaa.gov>; 'ryan.couch@noaa.gov' <ryan.couch@noaa.gov>; 'matthew.longenbaugh@noaa.gov'

<matthew.longenbaugh@noaa.gov>; Meyer, Susan <meyer.susan@epa.gov>; Juckniess, Craig M NWS

<Craig.M.Juckniess@usace.army.mil>; Gibson, Peter D NWS <Peter.D.Gibson@usace.army.mil>

Subject: FW: Final HTL Report

Good Morning All,

First off, I want to thank Heather for organizing this document and getting it out to the team for review. As you can read from Heather's message on Friday, SharePoint wasn't going to let us off the hook that easy. Grrrrrrrr!!!!!! That said, I do want to ask that for those of you providing comments on the final draft; if you do have access to SharePoint, please post them there. If you don't, please call me and we can go through them live over the phone. I'd like to minimize the cross-agency email traffic if possible.

Remember, review period closes at the end of the day!

I can see the finish line!!!!!!

Thanks. Jim

-----Original Message-----

From: Dean, Heather [mailto:Dean.Heather@epa.gov]

Sent: Friday, August 05, 2016 3:05 PM

Subject: [EXTERNAL] Final HTL Report

Hi, everyone.

We've received the draft final HTL report from our graphics guy. Jim asked me to post it & let everyone know it's ready for final review. The thing is I've lost access to the SharePoint site, as have the other EPA folks I can reach this afternoon, so I'm here it is via e-mail. Jim asks that your review abide by the following stipulations:

- 1) Comments in NLT COB on Monday (8 Aug); &
- 2) Comments strictly limited to major errors or erroneous information, with no further editing of style & the like.

I believe I've included the entire team, so please don't forward this to anyone.

Thanks,

Heather

Message

---

**From:** Meyer, Susan [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=97208B20BCB84A038062FA42A766A850-MEYER, SUSA]  
**Sent:** 5/27/2016 11:10:32 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** FW: HTL things  
**Attachments:** determining MHHW.docx; Field Notes for tidal elevation determination.doc

Heather, In case you open email this weekend, which I hope you don't :) This should be an interesting field day!

Susan

-----Original Message-----

From: Tong, Kristina G NWS [mailto:Kristina.G.Tong@usace.army.mil]  
Sent: Friday, May 27, 2016 3:39 PM  
To: Meyer, Susan <meyer.susan@epa.gov>  
Subject: RE: HTL things

Susan,

Turns out I did not have much time to dedicate to this this afternoon. Here is my really rough draft of our procedures and our field note worksheet. I will bring both out on Tuesday.

Thanks, Tina

-----Original Message-----

From: Meyer, Susan [mailto:meyer.susan@epa.gov]  
Sent: Thursday, May 26, 2016 10:06 AM  
To: Tong, Kristina G NWS <Kristina.G.Tong@usace.army.mil>  
Subject: [EXTERNAL] RE: HTL things

Tina, I am currently working on a protocol or steps for locating elevations on the beach. I would love to see your worksheet and get your feedback on what I come up with. Ecology uses this method sometimes to bookmark where to look for OHWM indicators, so I have done it a few times. If you already have the steps written out, please let me know or send them over. Thanks!

Susan

-----Original Message-----

From: Tong, Kristina G NWS [mailto:Kristina.G.Tong@usace.army.mil]  
Sent: Thursday, May 26, 2016 7:57 AM  
To: Meyer, Susan <meyer.susan@epa.gov>  
Cc: Tong, Kristina G NWS <Kristina.G.Tong@usace.army.mil>  
Subject: RE: HTL things

Susan,

In the field I would be happy to demonstrate what the Corps does. We use a level and stadia rod. I can write up the steps we take and share the worksheet that we use.

Yes, I would be interested in an overview of what applicants are required to do for state and local permitting. Are you around tomorrow, Friday, for a call?

Thanks, Tina

-----Original Message-----

From: Meyer, Susan [mailto:meyer.susan@epa.gov]  
Sent: Wednesday, May 25, 2016 4:51 PM  
To: Tong, Kristina G NWS <Kristina.G.Tong@usace.army.mil>  
Subject: [EXTERNAL] HTL things

Hi Tina,

I wanted to ask you a couple of things. First, you had mentioned at the last group phone meeting that you would be willing to demonstrate the rod and line level method for getting elevations in the field. That is great. I plan to develop a list of steps for doing that method for the group, so I will be sending you a draft to review tomorrow morning. If you could get that looked at by the end of the day

and let me know what you think, I would appreciate it. Just to let you know, when we were at Tulalip in early May, the tide elevation (which was at the MHHW elevation according to the tidal station data) did not match where we thought MHHW should be. So there may be some issues with the Tulalip station data, which we can discuss with Matt during the site visit. So Tulalip could be a bit interesting.

Second, I'm not sure if you saw the email I sent back to Jim this morning, but if you would like to get a perspective on what applicants do for state and local permitting, I can get you started with what I know, then hook you up with phone numbers of others at WDFW and Ecology for further reference. My sense is that applicants are already supplying a lot of information to the local governments and WDFW that the Corps would ask for in new armoring and repair and maintenance. WDFW does not have the exemptions for SFR that locals do.

Let me know if you would like to chat about this.

Thanks!

Susan Meyer

EPA Region 10

Puget Sound and National Estuary Programs

1200 6th Aveune, Suite 900

Seattle, Washington 98101-3140

206-553-1078

Meyer.susan@epa.gov <mailto:Meyer.susan@epa.gov>

## Appointment

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**From:** Murchie, Peter [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6D2FEDF9CB1F4DC4847E6F01E33E759E-MURCHIE, PETER]  
**Sent:** 3/18/2016 8:05:09 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]  
**Subject:** Accepted: Hold for all day HTL field visits  
**Location:** TBD  
**Start:** 5/31/2016 7:00:00 AM  
**End:** 6/1/2016 7:00:00 AM  
**Show Time As:** Busy

## Appointment

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**From:** Murchie, Peter [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6D2FEDF9CB1F4DC4847E6F01E33E759E-MURCHIE, PETER]  
**Sent:** 1/20/2016 10:10:05 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]  
**Subject:** Accepted: Discussion on HTL/shoreline protection prior to 1/27 Corps phone call  
**Location:** R10Sea-Room-19Orca/R10-Rooms-Service-Center  
**Start:** 1/26/2016 10:00:00 PM  
**End:** 1/26/2016 11:00:00 PM  
**Show Time As:** Busy

## Appointment

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**From:** Murchie, Peter [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6D2FEDF9CB1F4DC4847E6F01E33E759E-MURCHIE, PETER]  
**Sent:** 4/26/2016 10:41:50 PM  
**To:** Opalski, Dan [Opalski.Dan@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]; Allnutt, David [Allnutt.David@epa.gov]  
**Subject:** HTL Next Steps  
**Location:** David's Office (may have to call Peter on his cell)  
**Start:** 4/26/2016 11:30:00 PM  
**End:** 4/27/2016  
**Show Time As:** Tentative



## Appointment

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**From:** Murchie, Peter [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6D2FEDF9CB1F4DC4847E6F01E33E759E-MURCHIE, PETER]  
**Sent:** 4/11/2016 4:32:06 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]  
**Subject:** Accepted: Practice field HTL in Seattle and Tacoma  
**Location:** meet at either Tacoma or Seattle beach site  
**Start:** 5/5/2016 3:00:00 PM  
**End:** 5/5/2016 9:00:00 PM  
**Show Time As:** Busy

## Appointment

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**From:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Sent:** 6/22/2016 1:54:22 PM  
**To:** Szerlog, Michael [Szerlog.Michael@epa.gov]; Dean, Heather [Dean.Heather@epa.gov]; Meyer, Susan [meyer.susan@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]

**Subject:** HTL EPA Team Huddle  
**Location:** Peter's Office - can call folks as needed

**Start:** 6/24/2016 5:30:00 PM  
**End:** 6/24/2016 6:00:00 PM  
**Show Time As:** Tentative

**Recurrence:** (none)

## Appointment

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**From:** Murchie, Peter [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6D2FEDF9CB1F4DC4847E6F01E33E759E-MURCHIE, PETER]  
**Sent:** 6/24/2016 3:18:13 PM  
**To:** Szerlog, Michael [Szerlog.Michael@epa.gov]; Dean, Heather [Dean.Heather@epa.gov]; Meyer, Susan [meyer.susan@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** HTL EPA Team Huddle  
**Location:** Peter's Office - can call folks as needed  
**Start:** 6/24/2016 7:30:00 PM  
**End:** 6/24/2016 8:00:00 PM  
**Show Time As:** Tentative

## Appointment

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**From:** Murchie, Peter [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6D2FEDF9CB1F4DC4847E6F01E33E759E-MURCHIE, PETER]  
**Sent:** 6/24/2016 4:04:45 PM  
**To:** Szerlog, Michael [Szerlog.Michael@epa.gov]; Dean, Heather [Dean.Heather@epa.gov]; Meyer, Susan [meyer.susan@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** HTL EPA Team Huddle  
**Location:** Peter's Office - can call folks as needed  
**Start:** 6/24/2016 8:00:00 PM  
**End:** 6/24/2016 8:30:00 PM  
**Show Time As:** Tentative

## Appointment

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**From:** Murchie, Peter [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6D2FEDF9CB1F4DC4847E6F01E33E759E-MURCHIE, PETER]  
**Sent:** 5/2/2016 4:23:38 PM  
**To:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Subject:** Out of office on HTL field trip  
**Start:** 5/5/2016 7:00:00 AM  
**End:** 5/6/2016 7:00:00 AM  
**Show Time As:** Free

## Appointment

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**From:** Murchie, Peter [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6D2FEDF9CB1F4DC4847E6F01E33E759E-MURCHIE, PETER]  
**Sent:** 4/6/2016 5:12:04 PM  
**To:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Subject:** HTL Field Visit w/NOAA and USACE  
**Location:** Multiple Shoreline Sites  
**Start:** 5/31/2016 2:00:00 PM  
**End:** 6/1/2016 12:30:00 AM  
**Show Time As:** Busy

## Appointment

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**From:** Murchie, Peter [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6D2FEDF9CB1F4DC4847E6F01E33E759E-MURCHIE, PETER]  
**Sent:** 5/27/2016 1:50:00 PM  
**To:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Subject:** Peter at HTL Field Trip  
**Start:** 5/31/2016 7:00:00 AM  
**End:** 6/1/2016 7:00:00 AM  
**Show Time As:** Free

## Appointment

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**From:** Murchie, Peter [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6D2FEDF9CB1F4DC4847E6F01E33E759E-MURCHIE, PETER]  
**Sent:** 4/22/2016 6:19:35 PM  
**To:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Subject:** Peter HTL Field Session  
**Start:** 5/5/2016 7:00:00 AM  
**End:** 5/6/2016 7:00:00 AM  
**Show Time As:** Free



Message

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**From:** Meyer, Susan [meyer.susan@epa.gov]  
**Sent:** 8/8/2016 2:40:51 PM  
**To:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Subject:** Automatic reply: High Tide Line briefing for HQ (added Adobe Connect link)

I will be out of the office Friday afternoon 8/5. I will return your message when I return on Monday 8/8/16.

## Appointment

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**From:** Murchie, Peter [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6D2FEDF9CB1F4DC4847E6F01E33E759E-MURCHIE, PETER]  
**Sent:** 3/22/2016 8:30:30 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]  
**Subject:** Accepted: Final HTL field day meeting set  
**Location:** TBD  
  
**Start:** 5/31/2016 7:00:00 AM  
**End:** 6/1/2016 7:00:00 AM  
  
**Recurrence:** (none)

## Appointment

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**From:** Murchie, Peter [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6D2FEDF9CB1F4DC4847E6F01E33E759E-MURCHIE, PETER]  
**Sent:** 3/18/2016 8:05:09 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]  
**Subject:** Accepted: Hold for all day HTL field visits  
**Location:** TBD  
**Start:** 5/31/2016 7:00:00 AM  
**End:** 6/1/2016 7:00:00 AM  
**Show Time As:** Busy

Message

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**From:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Sent:** 5/5/2016 1:05:49 AM  
**To:** Opalski, Dan [Opalski.Dan@epa.gov]  
**Subject:** Re: HTL Field Visit w/NOAA and USACE

No worries. David A may join.

Peter Murchie  
Manager  
Puget Sound and NEP Programs  
USEPA Region 10  
[murchie.peter@epa.gov](mailto:murchie.peter@epa.gov)  
206-553-1148 w  
206-419-0804 c

On May 4, 2016, at 5:45 PM, Opalski, Dan <[Opalski.Dan@epa.gov](mailto:Opalski.Dan@epa.gov)> wrote:

I would really like to but I think I have to take a pass.

Sent from my iPhone

On May 4, 2016, at 5:10 PM, Murchie, Peter <[Murchie.Peter@epa.gov](mailto:Murchie.Peter@epa.gov)> wrote:

In case you can make it might be good to do.

Peter

<mime-attachment>

Message

---

**From:** Murchie, Peter [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6D2FEDF9CB1F4DC4847E6F01E33E759E-MURCHIE, PETER]  
**Sent:** 5/5/2016 12:10:57 AM  
**To:** Allnutt, David [Allnutt.David@epa.gov]; Opalski, Dan [Opalski.Dan@epa.gov]  
**Subject:** FW: HTL Field Visit w/NOAA and USACE  
**Attachments:** HTL Field Visit w/NOAA and USACE

In case you can make it might be good to do.  
Peter

## Appointment

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**From:** Murchie, Peter [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6D2FEDF9CB1F4DC4847E6F01E33E759E-MURCHIE, PETER]  
**Sent:** 4/6/2016 5:12:04 PM  
**To:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Subject:** HTL Field Visit w/NOAA and USACE  
**Location:** Multiple Shoreline Sites  
**Start:** 5/31/2016 2:00:00 PM  
**End:** 6/1/2016 12:30:00 AM  
**Show Time As:** Busy

## Appointment

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**From:** Murchie, Peter [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6D2FEDF9CB1F4DC4847E6F01E33E759E-MURCHIE, PETER]  
**Sent:** 6/24/2016 3:18:13 PM  
**To:** Szerlog, Michael [Szerlog.Michael@epa.gov]; Dean, Heather [Dean.Heather@epa.gov]; Meyer, Susan [meyer.susan@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** HTL EPA Team Huddle  
**Location:** Peter's Office - can call folks as needed  
**Start:** 6/24/2016 7:30:00 PM  
**End:** 6/24/2016 8:00:00 PM  
**Show Time As:** Tentative

## Appointment

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**From:** Murchie, Peter [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6D2FEDF9CB1F4DC4847E6F01E33E759E-MURCHIE, PETER]  
**Sent:** 4/25/2016 6:38:49 PM  
**To:** Opalski, Dan [Opalski.Dan@epa.gov]; Allnutt, David [Allnutt.David@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]  
**Subject:** HTL Next Steps  
**Location:** David's Office (may have to call Peter on his cell)  
**Start:** 4/26/2016 11:00:00 PM  
**End:** 4/26/2016 11:30:00 PM  
**Show Time As:** Tentative



## Appointment

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**From:** Murchie, Peter [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6D2FEDF9CB1F4DC4847E6F01E33E759E-MURCHIE, PETER]  
**Sent:** 3/9/2016 5:33:43 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]; Heather Dean [Dean.Heather@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** HOLD HTL Field Trip with Workgroup  
**Location:** TBD  
**Start:** 4/20/2016 7:00:00 AM  
**End:** 4/21/2016 7:00:00 AM  
**Show Time As:** Tentative

## Appointment

---

**From:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Sent:** 6/22/2016 1:54:22 PM  
**To:** Szerlog, Michael [Szerlog.Michael@epa.gov]; Dean, Heather [Dean.Heather@epa.gov]; Meyer, Susan [meyer.susan@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]

**Subject:** HTL EPA Team Huddle  
**Location:** Peter's Office - can call folks as needed

**Start:** 6/24/2016 5:30:00 PM  
**End:** 6/24/2016 6:00:00 PM  
**Show Time As:** Tentative

**Recurrence:** (none)

## Appointment

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**From:** Murchie, Peter [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6D2FEDF9CB1F4DC4847E6F01E33E759E-MURCHIE, PETER]  
**Sent:** 4/17/2016 3:08:50 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]; Heather Dean [Dean.Heather@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** Canceled: HOLD HTL Field Trip with Workgroup  
**Location:** TBD  
**Start:** 4/20/2016 7:00:00 AM  
**End:** 4/21/2016 7:00:00 AM  
**Show Time As:** Free  
**Importance:** High

Message

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**From:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Sent:** 8/22/2016 7:46:29 PM  
**To:** Allnutt, David [Allnutt.David@epa.gov]  
**Subject:** Re: could you send me the final HTL paper?

Sorry thought you had that - Susan sending the most recent version from the sharepoint site now.

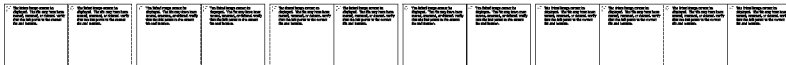
Peter

---

**From:** Allnutt, David  
**Sent:** Monday, August 22, 2016 12:39:27 PM  
**To:** Murchie, Peter  
**Subject:** could you send me the final HTL paper?



**R. David Allnutt**, Director  
Office of Environmental Review and Assessment  
U.S. EPA, Region 10  
1200 Sixth Avenue, Suite 900  
Seattle, Washington 98101-3140  
(206) 553-2581



## Appointment

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**From:** Murchie, Peter [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6D2FEDF9CB1F4DC4847E6F01E33E759E-MURCHIE, PETER]  
**Sent:** 1/20/2016 10:10:05 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]  
**Subject:** Accepted: Discussion on HTL/shoreline protection prior to 1/27 Corps phone call  
**Location:** R10Sea-Room-19Orca/R10-Rooms-Service-Center  
**Start:** 1/26/2016 10:00:00 PM  
**End:** 1/26/2016 11:00:00 PM  
**Show Time As:** Busy

## Appointment

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**From:** Murchie, Peter [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6D2FEDF9CB1F4DC4847E6F01E33E759E-MURCHIE, PETER]  
**Sent:** 4/11/2016 4:32:06 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]  
**Subject:** Accepted: Practice field HTL in Seattle and Tacoma  
**Location:** meet at either Tacoma or Seattle beach site  
**Start:** 5/5/2016 3:00:00 PM  
**End:** 5/5/2016 9:00:00 PM  
**Show Time As:** Busy

## Appointment

---

**From:** Murchie, Peter [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6D2FEDF9CB1F4DC4847E6F01E33E759E-MURCHIE, PETER]  
**Sent:** 4/7/2016 1:08:35 AM  
**To:** Meyer, Susan [meyer.susan@epa.gov]  
**Subject:** Accepted: Hold for practice HTL field exercise until I nail down which day works for Phill Dionne  
**Location:** out and about  
  
**Start:** 5/10/2016 3:00:00 PM  
**End:** 5/11/2016  
  
**Recurrence:** (none)

## Appointment

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**From:** Murchie, Peter [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6D2FEDF9CB1F4DC4847E6F01E33E759E-MURCHIE, PETER]  
**Sent:** 9/21/2016 3:08:39 PM  
**To:** Szerlog, Michael [Szerlog.Michael@epa.gov]  
**Subject:** Tentative: High Tide Line - reserving room for today's call with Corps - Seattle District  
**Location:** R10Sea-Room-20Chinook/R10-Rooms-Service-Center  
**Start:** 9/21/2016 4:00:00 PM  
**End:** 9/21/2016 5:30:00 PM  
**Show Time As:** Busy



Message

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**From:** Murchie, Peter [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6D2FEDF9CB1F4DC4847E6F01E33E759E-MURCHIE, PETER]  
**Sent:** 5/19/2016 1:02:37 PM  
**To:** McLeod, Julianne [McLeod.Julianne@epa.gov]  
**Subject:** FW: Are you able to attend the HTL leaders mtg Fr afternoon?

Julie,  
Dennis confirmed his attendance on Friday for the NOAA/USACE meeting from 3-5pm at NOAA (Lake WA facility).

Thank you,  
Peter

-----Original Message-----

From: McLerran, Dennis  
Sent: Wednesday, May 18, 2016 7:58 PM  
To: Murchie, Peter <Murchie.Peter@epa.gov>  
Cc: Opalski, Dan <Opalski.Dan@epa.gov>; Allnutt, David <Allnutt.David@epa.gov>; Szerlog, Michael <Szerlog.Michael@epa.gov>  
Subject: Re: Are you able to attend the HTL leaders mtg Fr afternoon?

Friday will work.

Dennis

Sent from my EPA iPhone

> On May 18, 2016, at 4:20 PM, Murchie, Peter <Murchie.Peter@epa.gov> wrote:  
>  
> Dennis  
> Sorry to bother you today but Col Buck has said Monday does not work to meet on the HTL issue so that leaves Friday from 3-5 which I know is your day off.  
>  
> If you cannot make the meeting (NOAA hosting at their Lake WA facility) let me know and I can get folks working on a different day.  
>  
> Thank you  
> Peter  
>  
>  
> Peter Murchie  
> Manager  
> Puget Sound and NEP Programs  
> USEPA Region 10  
> murchie.peter@epa.gov  
> 206-553-1148 w  
> 206-419-0804 c

Message

---

**From:** Murchie, Peter [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6D2FEDF9CB1F4DC4847E6F01E33E759E-MURCHIE, PETER]  
**Sent:** 9/15/2016 1:47:41 AM  
**To:** Tyler, Kendra [Tyler.Kendra@epa.gov]; Tyson, Linda [Tyson.Linda@epa.gov]  
**Subject:** Fwd: Draft email to send to Col Buck on HTL

Kendra

See below. Can you help me get this email in Dennis' outlook to send to Col Buck and include his schedulers name and cc her (I can't remember her name).

Thanks  
Peter

-----

John,

I am encouraged by our conversations last week with Puget Sound leaders and specifically with the state agency leaders, Governor's office and NWIFC leadership about HTL. Peter has followed up with them to continue to encourage a response in support of stronger shoreline protection opportunities and alignment.

You and I also agreed that a follow up shared briefing and discussion with General Spellmon was a good next step. I understand that the technical team is close to finishing their work to address the requests from the General so I suggest that our schedulers work together to find a good time on the next couple of weeks for the briefing. Linda will reach out to ??? to get the scheduling going.

In the mean time we will continue to support the technical team and state leader engagement to clarify opportunities for shared work for shoreline protection.

Peter is also working with Jessie to coordinate exploring options to provide match with other federal agencies for the Dungeness project.

Thank you,  
Dennis

Peter Murchie  
Manager  
Puget Sound and NEP Programs  
USEPA Region 10  
[murchie.peter@epa.gov](mailto:murchie.peter@epa.gov)  
206-553-1148 w  
206-419-0804 c

Begin forwarded message:

**From:** "Opalski, Dan" <Opalski.Dan@epa.gov>  
**Date:** September 14, 2016 at 4:55:49 PM PDT  
**To:** "Murchie, Peter" <Murchie.Peter@epa.gov>  
**Subject:** Fwd: Draft email to send to Col Buck on HTL

My minor comment is that in the first sentence of the first paragraph you add the word "agencies" after the word "state". Otherwise your language sort of reads as if the Governor's office is not part of the state.

Sent from my iPhone

Begin forwarded message:

**From:** "McLerran, Dennis" <mclerran.dennis@epa.gov>  
**Date:** September 14, 2016 at 4:39:15 PM PDT  
**To:** "Murchie, Peter" <Murchie.Peter@epa.gov>  
**Cc:** "Allnutt, David" <Allnutt.David@epa.gov>, "Szerlog, Michael" <Szerlog.Michael@epa.gov>, "Opalski, Dan" <Opalski.Dan@epa.gov>  
**Subject:** RE: Draft email to send to Col Buck on HTL

Peter:

This looks fine to me. Can you work with Kendra to finalize and get a draft in my mail box that I can send out to the Colonel? Thanks.

Dennis

-----Original Message-----

From: Murchie, Peter  
Sent: Wednesday, September 14, 2016 9:15 AM  
To: McLerran, Dennis <mclerran.dennis@epa.gov>  
Cc: Allnutt, David <Allnutt.David@epa.gov>; Szerlog, Michael <Szerlog.Michael@epa.gov>; Opalski, Dan <Opalski.Dan@epa.gov>  
Subject: Draft email to send to Col Buck on HTL

Dennis,

Find below a proposed email for you to send to Col Buck as follow up and push to set up a meeting with Gen Spellmon, Col Buck, you and Will on HTL.

I have checked in with the Corps management below Col Buck and they suggest an email from you would be helpful.

I have cc'd David, Dan and Michael who may have input too.

Thank you  
Peter

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John,

I am encouraged by our conversations last week with Puget Sound leaders and specifically with the state, NWIFC leadership and Governor's office about HTL. Peter has followed up with them to continue to encourage a response in support of stronger shoreline protection opportunities and alignment.

You and I also agreed that a follow up shared briefing and discussion with General Spellmon was a good next step. I understand that the technical team is close to finishing their work to address the requests from the General so I suggest that our schedulers work together to find a good time on the next couple of weeks for the briefing. Linda will reach out to ??? to get the scheduling going.

In the mean time we will continue to support the technical team and state leader engagement to clarify opportunities for shared work for shoreline protection.

Peter is also working with Jessie to coordinate exploring options to provide match with other federal agencies for the Dungeness project.

Thank you,  
Dennis

-----

Peter Murchie  
Manager  
Puget Sound and NEP Programs  
USEPA Region 10  
[murchie.peter@epa.gov](mailto:murchie.peter@epa.gov)  
206-553-1148 w  
206-419-0804 c

Message

---

**From:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Sent:** 2/12/2016 5:33:38 PM  
**To:** Szerlog, Michael [Szerlog.Michael@epa.gov]  
**CC:** Opalski, Dan [Opalski.Dan@epa.gov]; Allnutt, David [Allnutt.David@epa.gov]  
**Subject:** note for Dennis on HTL process

Michael (Dan and David),

See below a draft very rough message to Dennis (Dan and David) with an update on the High Tide Line process with USACE/NOAA and us. Take a look and make any changes you think appropriate. After your review I can send on to Dennis tonight/over the weekend.

Dennis,

We wanted to give you an update on the process/progress on the High Tide Line (HAT) TRAR issue we are working on with USACE and NOAA.

As you know Col Buck has tasked Jim Jacobsen to convene/lead a cross Agency working group. We have had two meetings - one phone a few weeks ago and one in person this past Wednesday. We have a draft management plan (action plan) for moving this forward to resolution and a strong set of managers and staff from USACE, NOAA and EPA working on the technical, legal and implementation assessment. From EPA's perspective we have been feeling good about the process and what seems to be an openness on the part of the Corps to finding a solution.

Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

Thank you,  
Peter and Michael



**Peter Murchie**, Manager  
Puget Sound and National Estuary Programs  
U.S. EPA, Region 10  
1200 Sixth Avenue  
Seattle, Washington 98101-3140  
(206) 553-1148  
[murchie.peter@epa.gov](mailto:murchie.peter@epa.gov)  
<http://www.epa.gov/puget-sound>



## Appointment

---

**From:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Sent:** 4/26/2016 10:41:50 PM  
**To:** Opalski, Dan [Opalski.Dan@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]; Allnutt, David [Allnutt.David@epa.gov]  
**Subject:** HTL Next Steps  
**Location:** David's Office (may have to call Peter on his cell)  
**Start:** 4/26/2016 11:30:00 PM  
**End:** 4/27/2016  
**Show Time As:** Tentative

Message

---

**From:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Sent:** 9/15/2016 1:38:51 AM  
**To:** Opalski, Dan [Opalski.Dan@epa.gov]  
**Subject:** Re: Draft email to send to Col Buck on HTL

Ok will fix with Kendra

P

Peter Murchie  
Manager  
Puget Sound and NEP Programs  
USEPA Region 10  
[murchie.peter@epa.gov](mailto:murchie.peter@epa.gov)  
206-553-1148 w  
206-419-0804 c

On Sep 14, 2016, at 4:55 PM, Opalski, Dan <[Opalski.Dan@epa.gov](mailto:Opalski.Dan@epa.gov)> wrote:

My minor comment is that in the first sentence of the first paragraph you add the word "agencies" after the word "state". Otherwise your language sort of reads as if the Governor's office is not part of the state.

Sent from my iPhone

Begin forwarded message:

**From:** "McLerran, Dennis" <[mclerran.dennis@epa.gov](mailto:mclerran.dennis@epa.gov)>  
**Date:** September 14, 2016 at 4:39:15 PM PDT  
**To:** "Murchie, Peter" <[Murchie.Peter@epa.gov](mailto:Murchie.Peter@epa.gov)>  
**Cc:** "Allnutt, David" <[Allnutt.David@epa.gov](mailto:Allnutt.David@epa.gov)>, "Szerlog, Michael" <[Szerlog.Michael@epa.gov](mailto:Szerlog.Michael@epa.gov)>, "Opalski, Dan" <[Opalski.Dan@epa.gov](mailto:Opalski.Dan@epa.gov)>  
**Subject:** RE: Draft email to send to Col Buck on HTL

Peter:

This looks fine to me. Can you work with Kendra to finalize and get a draft in my mail box that I can send out to the Colonel? Thanks.

Dennis

-----Original Message-----

From: Murchie, Peter  
Sent: Wednesday, September 14, 2016 9:15 AM  
To: McLerran, Dennis <[mclerran.dennis@epa.gov](mailto:mclerran.dennis@epa.gov)>  
Cc: Allnutt, David <[Allnutt.David@epa.gov](mailto:Allnutt.David@epa.gov)>; Szerlog, Michael <[Szerlog.Michael@epa.gov](mailto:Szerlog.Michael@epa.gov)>; Opalski, Dan <[Opalski.Dan@epa.gov](mailto:Opalski.Dan@epa.gov)>  
Subject: Draft email to send to Col Buck on HTL

Dennis,  
Find below a proposed email for you to send to Col Buck as follow up and push



to set up a meeting with Gen Spellmon, Col Buck, you and Will on HTL.

I have checked in with the Corps management below Col Buck and they suggest an email from you would be helpful.

I have cc'd David, Dan and Michael who may have input too.

Thank you

Peter

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Thank you,

Dennis

-----

Peter Murchie

Manager

Puget Sound and NEP Programs

USEPA Region 10

[murchie.peter@epa.gov](mailto:murchie.peter@epa.gov)

206-553-1148 w

206-419-0804 c

## Appointment

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 3/29/2016 1:06:56 AM  
**To:** Siwiec, Tim [Siwiec.Tim@epa.gov]; Lin, Lawrence P NWS [Lawrence.P.Lin@usace.army.mil]; Laura Rear McLaughlin - NOAA Federal [laura.rear.mclaughlin@noaa.gov]; Meyer, Susan [meyer.susan@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]; Perry, Randel J NWS [Randel.J.Perry@usace.army.mil]; Tong, Kristina G NWS [Kristina.G.Tong@usace.army.mil]; Jacobson, James R NWS [James.R.Jacobson@usace.army.mil]; 'matthew.longenbaugh@noaa.gov'; Elizabeth Babcock [Elizabeth.Babcock@noaa.gov]  
**Subject:** Washington High Tide Line Mapping Project  
**Location:** R10Sea-Room-20C-ETPA/R10-Rooms-Restricted  
**Start:** 3/31/2016 8:30:00 PM  
**End:** 3/31/2016 9:30:00 PM  
**Show Time As:** Tentative

## Appointment

---

**From:** Siwiec, Tim [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A10D9EF903924C49858131679612C225-SIWIEC, TIM]  
**Sent:** 3/31/2016 4:34:53 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** Accepted: Washington High Tide Line Mapping Project  
**Location:** R10Sea-Room-20C-ETPA/R10-Rooms-Restricted  
**Start:** 3/31/2016 8:30:00 PM  
**End:** 3/31/2016 9:30:00 PM  
**Show Time As:** Busy

## Appointment

---

**From:** Siwiec, Tim [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A10D9EF903924C49858131679612C225-SIWIEC, TIM]  
**Sent:** 4/11/2016 3:35:36 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]  
**Subject:** Accepted: Practice field HTL in Seattle and Tacoma  
**Location:** meet at either Tacoma or Seattle beach site  
**Start:** 5/5/2016 3:00:00 PM  
**End:** 5/5/2016 9:00:00 PM  
**Show Time As:** Busy

## Appointment

---

**From:** Siwiec, Tim [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A10D9EF903924C49858131679612C225-SIWIEC, TIM]  
**Sent:** 4/7/2016 3:47:11 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]  
**Subject:** Accepted: Hold for practice HTL field excercise until I nail down which day works for Phill Dionne  
**Location:** out and about  
**Start:** 5/10/2016 3:00:00 PM  
**End:** 5/11/2016  
**Show Time As:** Busy

## Appointment

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**From:** Siwiec, Tim [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A10D9EF903924C49858131679612C225-SIWIEC, TIM]  
**Sent:** 5/11/2016 6:08:06 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]  
**Subject:** Accepted: discuss field procedures for HTL- internal- probably won't need whole hour  
**Location:** phone or Heather and Tim together  
**Start:** 5/11/2016 8:30:00 PM  
**End:** 5/11/2016 9:30:00 PM  
**Show Time As:** Busy

## Appointment

---

**From:** Siwiec, Tim [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A10D9EF903924C49858131679612C225-SIWIEC, TIM]  
**Sent:** 3/14/2016 5:18:09 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** Accepted: Discuss High Tide Line Mapping  
**Location:** Heather Will Call  
  
**Start:** 3/15/2016 4:00:00 PM  
**End:** 3/15/2016 4:30:00 PM  
**Show Time As:** Busy

## Appointment

---

**From:** Siwiec, Tim [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A10D9EF903924C49858131679612C225-SIWIEC, TIM]  
**Sent:** 4/29/2016 3:27:17 PM  
**To:** Siwiec, Tim [Siwiec.Tim@epa.gov]  
**Subject:** Put HTL maps in ArcPro, Publish, get on ipad.  
**Start:** 5/2/2016 8:00:00 PM  
**End:** 5/2/2016 8:30:00 PM  
**Show Time As:** Busy



Message

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 10/17/2016 11:09:55 PM  
**To:** Siwiec, Tim [Siwiec.Tim@epa.gov]  
**Subject:** RE: HTL Map Revision  
**Attachments:** Charts for Beach Maps.xlsx

Thanks, Tim.

I noticed that I neglected to send you updated elevation charts for the maps. They are in the attached Excel file.

## Deliberative Process / Ex. 5

Thanks again!

Heather

---

**From:** Siwiec, Tim  
**Sent:** Friday, October 07, 2016 10:50 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: HTL Map Revision

Heather,

Disregard my email from yesterday (10/6/16).

I found some time and updated the map set. I added the XY horizontal distances between contour lines for all the variations on each map.

## Deliberative Process / Ex. 5

Enjoy.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Siwiec, Tim  
**Sent:** Thursday, October 06, 2016 4:03 PM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: HTL Map Revision

Heather,

# Deliberative Process / Ex. 5

Thanks

13

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Siwiec, Tim  
**Sent:** Tuesday, October 04, 2016 5:28 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

I will add them to the 6 maps, I should be able to tackle this on Thursday.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, October 03, 2016 3:58 PM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: HTL Map Revision

Hi, Tim. Here we go; **Deliberative Process / Ex. 5**

**Deliberative Process / Ex. 5**

I look forward to seeing how those show on the maps.

Thanks much!

Heather

---

**From:** Siwiec, Tim  
**Sent:** Wednesday, September 21, 2016 10:18 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

Sure thing, yes, when you get all 6 send them to me and I can update them all in 1 batch.

Thx

---

**From:** Dean, Heather  
**Sent:** Wednesday, September 21, 2016 10:15 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: HTL Map Revision

Hi, again.

## Deliberative Process / Ex. 5

I will do the calculations for the other four sites. Do you want them as I get them or all together?

Thanks so much!!

Heather

---

**From:** Siwiec, Tim  
**Sent:** Tuesday, September 20, 2016 11:30 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

I will see if I can get a better photo showing the mud flats.

### Deliberative Process / Ex. 5

Here's another view showing the elevation model.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Tuesday, September 20, 2016 11:25 AM

To: Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>

Subject: RE: HTL Map Revision

## Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

---

From: Siwiec, Tim

Sent: Tuesday, September 20, 2016 11:07 AM

To: Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>

Subject: RE: HTL Map Revision

Heather,

I am glad to hear you have found some success with ArcMap and the GIS software.  
And yes, I can help remake these maps as need arises.

## Deliberative Process / Ex. 5

Here are two scaled versions of this map (one zoomed out and one zoomed in).

Let me know if these will work.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Thursday, September 15, 2016 2:27 PM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** HTL Map Revision

Hi Tim.

Thanks for the GIS demo today. Up until recently I was using GIS a lot & actually have ArcGIS. I haven't been able to use it a lot lately, but I'm excited to see where & how to get other layers!

Perhaps ironically, then, I am writing to ask if you could, for starters, do another map for us for the HTL project. Actually, this is probably the first of two more asks, the other being an updated version of the six you already did, but we have to reach agreement with the Corps as to what those are going to show before I can ask. The first request relates to that.

**Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

Let me know if I've left out any key info or you have questions.

Thanks!

Heather

# **Deliberative Process / Ex. 5**

Message

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 10/5/2016 4:28:51 PM  
**To:** Siwiec, Tim [Siwiec.Tim@epa.gov]  
**Subject:** RE: HTL Map Revision

Thanks, Tim!

---

**From:** Siwiec, Tim  
**Sent:** Tuesday, October 04, 2016 5:28 PM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: HTL Map Revision

I will add them to the 6 maps, I should be able to tackle this on Thursday.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

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**From:** Dean, Heather  
**Sent:** Monday, October 03, 2016 3:58 PM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: HTL Map Revision

Hi, Tim. Here we go; **Deliberative Process / Ex. 5**

**Deliberative Process / Ex. 5**

I look forward to seeing how those show on the maps.

Thanks much!

Heather

---

**From:** Siwiec, Tim  
**Sent:** Wednesday, September 21, 2016 10:18 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: HTL Map Revision

Sure thing, yes, when you get all 6 send them to me and I can update them all in 1 batch.

Thx

---

**From:** Dean, Heather  
**Sent:** Wednesday, September 21, 2016 10:15 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: HTL Map Revision

Hi, again.

## Deliberative Process / Ex. 5

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## Deliberative Process / Ex. 5

Here's another view showing the elevation model.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
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206.553.2147

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**Sent:** Tuesday, September 20, 2016 11:25 AM  
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## Deliberative Process / Ex. 5



# Deliberative Process / Ex. 5

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1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

**From:** Dean, Heather  
**Sent:** Thursday, September 15, 2016 2:27 PM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** HTL Map Revision

Hi Tim.

Thanks for the GIS demo today. Up until recently I was using GIS a lot & actually have ArcGIS. I haven't been able to use it a lot lately, but I'm excited to see where & how to get other layers!

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**Deliberative Process / Ex. 5**

## **Deliberative Process / Ex. 5**

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Thanks!

Heather

## **Deliberative Process / Ex. 5**

Message

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 9/21/2016 5:20:00 PM  
**To:** Siwiec, Tim [Siwiec.Tim@epa.gov]  
**Subject:** RE: HTL Map Revision

Will do; thanks again!

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**From:** Siwiec, Tim  
**Sent:** Wednesday, September 21, 2016 10:18 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
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**Subject:** RE: HTL Map Revision

Hi, again.

## Deliberative Process / Ex. 5

I will do the calculations for the other four sites. Do you want them as I get them or all together?

Thanks so much!!

Heather

---

**From:** Siwiec, Tim  
**Sent:** Tuesday, September 20, 2016 11:30 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: HTL Map Revision

## Deliberative Process / Ex. 5

Here's another view showing the elevation model.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Tuesday, September 20, 2016 11:25 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: HTL Map Revision

## Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

---

**From:** Siwiec, Tim  
**Sent:** Tuesday, September 20, 2016 11:07 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

Heather,

I am glad to hear you have found some success with ArcMap and the GIS software.  
And yes, I can help remake these maps as need arises.

## Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

Here are two scaled versions of this map (one zoomed out and one zoomed in).

Let me know if these will work.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Thursday, September 15, 2016 2:27 PM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** HTL Map Revision

Hi Tim.

Thanks for the GIS demo today. Up until recently I was using GIS a lot & actually have ArcGIS. I haven't been able to use it a lot lately, but I'm excited to see where & how to get other layers!

Perhaps ironically, then, I am writing to ask if you could, for starters, do another map for us for the HTL project. Actually, this is probably the first of two more asks, the other being an updated version of the six you already did, but we have to reach agreement with the Corps as to what those are going to show before I can ask. The first request relates to that.

Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

Let me know if I've left out any key info or you have questions.

Thanks!

Heather

# **Deliberative Process / Ex. 5**

Message

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 10/20/2016 6:57:30 PM  
**To:** Siwiec, Tim [Siwiec.Tim@epa.gov]  
**Subject:** RE: HTL Map Revision

Awesome; thanks!

---

**From:** Siwiec, Tim  
**Sent:** Thursday, October 20, 2016 10:21 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: HTL Map Revision

Yes,

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Thursday, October 20, 2016 10:07 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: HTL Map Revision

---

Thanks! Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Thanks,

Heather

---

**From:** Siwiec, Tim  
**Sent:** Thursday, October 20, 2016 9:53 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: HTL Map Revision

Here you go!

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Wednesday, October 19, 2016 9:55 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: HTL Map Revision

Thanks! Yes, we just had an interagency meeting & I showed everyone the latest maps. They loved them & want to

**Deliberative Process / Ex. 5**

**Deliberative Process / Ex. 5**

Sorry I didn't catch that

before!

Thanks again,

Heather

---

**From:** Siwiec, Tim  
**Sent:** Wednesday, October 19, 2016 8:57 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

No problem, I can get to it tomorrow so let me know if you will need any more updates by then.  
Thanks!

---

**From:** Dean, Heather  
**Sent:** Tuesday, October 18, 2016 6:54 PM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: HTL Map Revision

Awesome! Can you just do two more things:

**Deliberative Process / Ex. 5**

**Deliberative Process / Ex. 5**

Thanks!

Heather

---

**From:** Siwiec, Tim  
**Sent:** Tuesday, October 18, 2016 3:47 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

Sure thing! **Deliberative Process / Ex. 5**

They are all attached in PDF form.



Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, October 17, 2016 4:10 PM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: HTL Map Revision

Thanks, Tim.

I noticed that I neglected to send you updated elevation charts for the maps. They are in the attached Excel file.

## Deliberative Process / Ex. 5

Thanks again!

Heather

---

**From:** Siwiec, Tim  
**Sent:** Friday, October 07, 2016 10:50 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

Heather,

Disregard my email from yesterday (10/6/16).  
I found some time and updated the map set. I added the XY horizontal distances between contour lines for all the variations on each map.

## Deliberative Process / Ex. 5

Enjoy.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Siwiec, Tim  
**Sent:** Thursday, October 06, 2016 4:03 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

Heather,

# Deliberative Process / Ex. 5

Thanks

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Siwiec, Tim  
**Sent:** Tuesday, October 04, 2016 5:28 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

I will add them to the 6 maps, I should be able to tackle this on Thursday.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, October 03, 2016 3:58 PM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: HTL Map Revision

Hi, Tim. Here we go; Deliberative Process / Ex. 5

**Deliberative Process / Ex. 5**

I look forward to seeing how those show on the maps.

Thanks much!

Heather

---

**From:** Siwiec, Tim  
**Sent:** Wednesday, September 21, 2016 10:18 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

Sure thing, yes, when you get all 6 send them to me and I can update them all in 1 batch.

Thx

---

**From:** Dean, Heather  
**Sent:** Wednesday, September 21, 2016 10:15 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: HTL Map Revision

Hi, again.

## Deliberative Process / Ex. 5

I will do the calculations for the other four sites. Do you want them as I get them or all together?

Thanks so much!!

Heather

---

**From:** Siwiec, Tim  
**Sent:** Tuesday, September 20, 2016 11:30 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

## Deliberative Process / Ex. 5

Here's another view showing the elevation model.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Tuesday, September 20, 2016 11:25 AM

To: Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>

Subject: RE: HTL Map Revision

## Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

From: Siwiec, Tim

Sent: Tuesday, September 20, 2016 11:07 AM

To: Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>

Subject: RE: HTL Map Revision

Heather,

I am glad to hear you have found some success with ArcMap and the GIS software.  
And yes, I can help remake these maps as need arises.

## Deliberative Process / Ex. 5

Here are two scaled versions of this map (one zoomed out and one zoomed in).

Let me know if these will work.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Thursday, September 15, 2016 2:27 PM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** HTL Map Revision

Hi Tim.

Thanks for the GIS demo today. Up until recently I was using GIS a lot & actually have ArcGIS. I haven't been able to use it a lot lately, but I'm excited to see where & how to get other layers!

Perhaps ironically, then, I am writing to ask if you could, for starters, do another map for us for the HTL project. Actually, this is probably the first of two more asks, the other being an updated version of the six you already did, but we have to reach agreement with the Corps as to what those are going to show before I can ask. The first request relates to that.

**Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

Let me know if I've left out any key info or you have questions.

Thanks!

Heather

# **Deliberative Process / Ex. 5**

Message

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 9/20/2016 6:42:08 PM  
**To:** Siwiec, Tim [Siwiec.Tim@epa.gov]  
**Subject:** RE: HTL Map Revision

Hmmm, okay.  
(welcome, too!)

**Deliberative Process / Ex. 5**

(Suggestions are

---

**From:** Siwiec, Tim  
**Sent:** Tuesday, September 20, 2016 11:30 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: HTL Map Revision

**Deliberative Process / Ex. 5**

Here's another view showing the elevation model.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Tuesday, September 20, 2016 11:25 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: HTL Map Revision

**Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

---

**From:** Siwiec, Tim  
**Sent:** Tuesday, September 20, 2016 11:07 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

Heather,

I am glad to hear you have found some success with ArcMap and the GIS software.  
And yes, I can help remake these maps as need arises.

## Deliberative Process / Ex. 5

Here are two scaled versions of this map (one zoomed out and one zoomed in).

Let me know if these will work.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147



**From:** Dean, Heather  
**Sent:** Thursday, September 15, 2016 2:27 PM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** HTL Map Revision

Hi Tim.

Thanks for the GIS demo today. Up until recently I was using GIS a lot & actually have ArcGIS. I haven't been able to use it a lot lately, but I'm excited to see where & how to get other layers!

Perhaps ironically, then, I am writing to ask if you could, for starters, do another map for us for the HTL project. Actually, this is probably the first of two more asks, the other being an updated version of the six you already did, but we have to reach agreement with the Corps as to what those are going to show before I can ask. The first request relates to that.

**Deliberative Process / Ex. 5**

## **Deliberative Process / Ex. 5**

Let me know if I've left out any key info or you have questions.

Thanks!

Heather

## **Deliberative Process / Ex. 5**

Message

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 8/1/2016 4:52:16 PM  
**To:** Siwiec, Tim [Siwiec.Tim@epa.gov]  
**Subject:** RE: High Tide Line Maps: "Close to" Final Draft

Excellent; thanks again!

---

**From:** Siwiec, Tim  
**Sent:** Monday, August 01, 2016 9:50 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Cc:** Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** High Tide Line Maps: "Close to" Final Draft

Heather, attached are all 6 maps in one PDF.  
Please take a look.  
I can do another round of editing later today or tomorrow if needed.

Thx

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, August 01, 2016 9:23 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: High Tide Line Maps

These three are great; thank!

---

**From:** Siwiec, Tim  
**Sent:** Monday, August 01, 2016 9:15 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: High Tide Line Maps

Keep the QA/QC editing coming!

Just one more map to go (Tulalip)

3 maps attached.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10

---

**From:** Dean, Heather  
**Sent:** Monday, August 01, 2016 8:54 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: High Tide Line Maps

Oh, ok; was waiting till you sent the other two. Actually, I found a second tiny thing.

Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

Thanks!

---

**From:** Siwiec, Tim  
**Sent:** Monday, August 01, 2016 8:51 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: High Tide Line Maps

Great, lemme know what it is in the next 2 hours pls

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, August 01, 2016 7:39 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: High Tide Line Maps

Awesome. Sounds good; I've got one tiny thing. Thanks!

Deliberative Process / Ex. 5

---

**From:** Siwiec, Tim  
**Sent:** Thursday, July 28, 2016 2:11 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Cc:** Meyer, Susan <[meyer.susan@epa.gov](mailto:meyer.susan@epa.gov)>  
**Subject:** RE: High Tide Line Maps

Heather, I was able to make the changes your requested to 4 of the 6 maps outlined below.  
I will most likely get the last two completed Monday morning.

Also that would be a good time to discuss further tweaks if needed to the set of 6.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10

---

**From:** Dean, Heather  
**Sent:** Tuesday, July 26, 2016 8:21 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** FW: High Tide Line Maps

Hi, Tim.

# Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

issues or questions.

Let me know if you have any

Thanks,

Heather

---

**From:** Dean, Heather  
**Sent:** Monday, July 25, 2016 3:00 PM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** High Tide Line Maps

Hi, Tim.

Deliberative Process / Ex. 5

To that end, I have a few requested revisions, as well as a couple of questions. Here they are:

# Deliberative Process / Ex. 5

# **Deliberative Process / Ex. 5**

Let me know if you have any questions or issues.

Thanks!

Heather

Message

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 8/1/2016 4:45:00 PM  
**To:** Siwiec, Tim [Siwiec.Tim@epa.gov]  
**Subject:** RE: High Tide Line Maps

All done; thanks very much!!!!

---

**From:** Siwiec, Tim  
**Sent:** Monday, August 01, 2016 9:43 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: High Tide Line Maps

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, August 01, 2016 9:23 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: High Tide Line Maps

These three are great; thank!

---

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**Sent:** Monday, August 01, 2016 9:15 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: High Tide Line Maps

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Just one more map to go (Tulalip)

3 maps attached.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, August 01, 2016 8:54 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: High Tide Line Maps

Oh, ok; was waiting till you sent the other two. Actually, I found a second tiny thing. **Deliberative Process / Ex. 5**

## Deliberative Process / Ex. 5

Thanks!

---

**From:** Siwiec, Tim  
**Sent:** Monday, August 01, 2016 8:51 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: High Tide Line Maps

Great, lemme know what it is in the next 2 hours pls

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, August 01, 2016 7:39 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: High Tide Line Maps

Awesome. Sounds good; I've got one tiny thing **Deliberative Process / Ex. 5** Thanks!

---

**From:** Siwiec, Tim  
**Sent:** Thursday, July 28, 2016 2:11 PM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Cc:** Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** RE: High Tide Line Maps

Heather, I was able to make the changes your requested to 4 of the 6 maps outlined below.  
I will most likely get the last two completed Monday morning.

Also that would be a good time to discuss further tweaks if needed to the set of 6.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Tuesday, July 26, 2016 8:21 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** FW: High Tide Line Maps

Hi, Tim.

# Deliberative Process / Ex. 5

**Deliberative Process / Ex. 5**

issues or questions.

Let me know if you have any

Thanks,

Heather

---

**From:** Dean, Heather

**Sent:** Monday, July 25, 2016 3:00 PM

**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>

**Subject:** High Tide Line Maps

Hi, Tim.

**Deliberative Process / Ex. 5**

To that end, I have a few requested revisions, as well as a couple of questions. Here they are:

# Deliberative Process / Ex. 5



# **Deliberative Process / Ex. 5**

Let me know if you have any questions or issues.

Thanks!

Heather

Message

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 7/28/2016 9:11:33 PM  
**To:** Siwiec, Tim [Siwiec.Tim@epa.gov]  
**Subject:** Automatic reply: High Tide Line Maps

I will be out of the office until Monday, 1 August. On Monday morning.

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 7/26/2016 3:21:27 PM  
**To:** Siwiec, Tim [Siwiec.Tim@epa.gov]  
**Subject:** FW: High Tide Line Maps  
**Attachments:** Elevation Tables.pptx

Hi, Tim.

# Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

issues or questions.

Let me know if you have any

Thanks,

Heather

---

**From:** Dean, Heather  
**Sent:** Monday, July 25, 2016 3:00 PM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** High Tide Line Maps

Hi, Tim.

## Deliberative Process / Ex. 5

to that end, I have a few requested revisions, as well as a couple of questions. Here they are:

# Deliberative Process / Ex. 5

# **Deliberative Process / Ex. 5**

Let me know if you have any questions or issues.

Thanks!

Heather

Message

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 4/12/2016 4:55:18 PM  
**To:** Siwiec, Tim [Siwiec.Tim@epa.gov]  
**Subject:** RE: Info for HTL Mapping

Great. **Deliberative Process / Ex. 5**

---

**From:** Siwiec, Tim  
**Sent:** Tuesday, April 12, 2016 9:49 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: Info for HTL Mapping

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Tuesday, April 12, 2016 9:35 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** FW: Info for HTL Mapping

# Deliberative Process / Ex. 5

---

**From:** Dean, Heather  
**Sent:** Tuesday, April 12, 2016 9:14 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: Info for HTL Mapping

Cool. **Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

**From:** Siwiec, Tim  
**Sent:** Tuesday, April 12, 2016 9:07 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

**Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 5th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Tuesday, April 12, 2016 8:58 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Me, again. So... Deliberative Process / Ex. 5

---

**From:** Siwiec, Tim  
**Sent:** Monday, April 11, 2016 4:36 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, DERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, April 11, 2016 2:43 PM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Dang, **Deliberative Process / Ex. 5**

## **Deliberative Process / Ex. 5**

Thanks,

Heather

---

**From:** Siwiec, Tim  
**Sent:** Monday, April 11, 2016 2:12 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Heather,

## **Deliberative Process / Ex. 5**

Let's talk.



# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Siwiec, Tim  
**Sent:** Monday, April 11, 2016 10:34 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

**Deliberative Process / Ex. 5** that is, when the NOAA website comes back online, it appears to up and down lately.

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**Sent:** Monday, April 11, 2016 10:22 AM  
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Okay, cool.

**Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

Thanks!

Heather

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# Deliberative Process / Ex. 5

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**Deliberative Process / Ex. 5**

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## Deliberative Process / Ex. 5

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Oh, geez; I'm sorry..

**Deliberative Process / Ex. 5**

Thanks!

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Hey, Tim.

# Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

Thanks,

Heather

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**From:** Siwiec, Tim

**Sent:** Tuesday, April 05, 2016 6:00 PM

**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>

**Subject:** RE: Info for HTL Mapping

I spent some time this week working on the HTL mapping project.

A few things:

# Deliberative Process / Ex. 5

# **Deliberative Process / Ex. 5**

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**From:** Dean, Heather  
**Sent:** Thursday, March 31, 2016 2:50 PM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** Info for HTL Mapping

Hi, Tim. Here are the photos & the spreadsheet. I noticed that the datums page for 3 of the 5 sites does not list the NAVD88 elevation, but I have not had a chance to look into that issue. I won't be in tomorrow, but will be working (offsite) on Monday & Tuesday, so we can certainly touch base before I'm back in the office.

Thanks for your help,

Heather



Message

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 3/14/2016 5:03:33 PM  
**To:** Siwiec, Tim [Siwiec.Tim@epa.gov]  
**Subject:** RE: High Tide Line GIS work?

Okay, I'll send an invite for tomorrow morning.

Thanks,

Heather

---

**From:** Siwiec, Tim  
**Sent:** Monday, March 14, 2016 10:00 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: High Tide Line GIS work?

We can have a short call today or tomorrow. That would be fine.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
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206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, March 14, 2016 9:39 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: High Tide Line GIS work?

Thanks, Tim.

I'm teleworking today & tomorrow & will be in Seattle on Wednesday & Thursday. Do you have a preference between chatting over the phone vs. face-to-face? (Or were you just looking for an e-mail description of what we'd like?)

Heather

---

**From:** Siwiec, Tim  
**Sent:** Monday, March 14, 2016 9:05 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>; Meyer, Susan <meyer.susan@epa.gov>  
**Cc:** Pongkhamsing, Chan <Pongkhamsing.Chan@epa.gov>; Szerlog, Michael <Szerlog.Michael@epa.gov>  
**Subject:** High Tide Line GIS work?

Heather, Susan,

I see Michael has submitted a task request for GIS and data support.  
I should be able to help, let's discuss what you have in mind.

Thx

## Task Information

Task Category\*: GIS and Data Support

Task Description: Work with Michael Szerlog, Heather Dean and Susan Meyer to provide GIS support to assist with High Tide Line interagency work group with NOAA and USACE. Also coordinate with NOAA and USACE GIS staff as appropriate.

Tim Siwiec

**U.S. Environmental Protection Agency | Region 10**

1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101

206.553.2147

Message

---

**From:** Szerlog, Michael [Szerlog.Michael@epa.gov]  
**Sent:** 3/11/2016 2:31:41 AM  
**To:** Islam, Mahbubul [Islam.Mahbubul@epa.gov]  
**CC:** Islam, Mahbubul [Islam.Mahbubul@epa.gov]; Siwiec, Tim [Siwiec.Tim@epa.gov]; Augustine, Scott [Augustine.Scott@epa.gov]  
**Subject:** Re: OEA Task - High Tide Line Has been assigned to: Tim Siwiec

It's a high priority for Dennis.

Sent from my iPhone

On Mar 10, 2016, at 5:06 PM, Mahbubul Islam <[Islam.Mahbubul@epamail.epa.gov](mailto:Islam.Mahbubul@epamail.epa.gov)> wrote:

OEA Tech Task re: High Tide Line  
Task Request Created on : 03/10/2016 03:26:37 PM

Comment :Michael, we may need to discuss resource/priority for this project. [<doclink.gif>](#)



**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 4/12/2016 3:17:54 PM  
**To:** Siwiec, Tim [Siwiec.Tim@epa.gov]  
**Subject:** RE: Info for HTL Mapping

## Deliberative Process / Ex. 5

---

**From:** Siwiec, Tim  
**Sent:** Monday, April 11, 2016 4:36 PM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: Info for HTL Mapping

# Deliberative Process / Ex. 5

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**From:** Dean, Heather  
**Sent:** Monday, April 11, 2016 2:43 PM  
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**Subject:** RE: Info for HTL Mapping

Dang,

Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

Thanks,

Heather

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**To:** Dean, Heather <Dean.Heather@epa.gov>  
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Heather,

## Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

Let's talk.

# Deliberative Process / Ex. 5

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**Subject:** RE: Info for HTL Mapping

**Deliberative Process / Ex. 5**

... that is, when the NOAA website comes back online, it appears to up and down lately.

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**Subject:** RE: Info for HTL Mapping

Okay, cool.

**Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

Thanks!

Heather

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Okay, I may be confused.

**Deliberative Process / Ex. 5**

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**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
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Sweet; that looks awesome!

## Deliberative Process / Ex. 5

### Deliberative Process / Ex. 5

me.... Thanks!

The URL you sent isn't working for

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**Sent:** Thursday, April 07, 2016 2:53 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
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Heather,

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## Deliberative Process / Ex. 5

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### Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10

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**From:** Dean, Heather  
**Sent:** Thursday, April 07, 2016 11:08 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Oh, geez; I'm sorry.

**Deliberative Process / Ex. 5**

Thanks!

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**Sent:** Thursday, April 07, 2016 11:07 AM  
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**Sent:** Thursday, April 07, 2016 9:56 AM  
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Hey, Tim.

# Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

Thanks,

Heather

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**Sent:** Tuesday, April 05, 2016 6:00 PM

**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>

**Subject:** RE: Info for HTL Mapping

I spent some time this week working on the HTL mapping project.

A few things:

# Deliberative Process / Ex. 5

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Thanks for your help,

Heather

Message

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**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 4/12/2016 2:47:35 PM  
**To:** Siwiec, Tim [Siwiec.Tim@epa.gov]  
**Subject:** RE: Info for HTL Mapping

Those are awesome! Just one request:

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

And one question:

Deliberative Process / Ex. 5

As for what's next:

Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

Thanks much!

Heather

---

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Deliberative Process / Ex. 5

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12/13



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Deliberative Process / Ex. 5  
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Heather

Message

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 4/4/2016 4:15:16 PM  
**To:** Siwiec, Tim [Siwiec.Tim@epa.gov]  
**Subject:** RE: Info for HTL Mapping

Okay, I'll see if I can find some alternatives meet all the other criteria, too. Thanks....

---

**From:** Siwiec, Tim  
**Sent:** Monday, April 04, 2016 8:47 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: Info for HTL Mapping

Yes, that sentence wasn't at all clear.

## Deliberative Process / Ex. 5

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---

**From:** Dean, Heather  
**Sent:** Monday, April 04, 2016 6:39 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: Info for HTL Mapping

Hi, Tim. I didn't quite understand your last sentence/suggestion, beginning with "[p]erhaps."

---

**From:** Siwiec, Tim  
**Sent:** Thursday, March 31, 2016 3:01 PM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: Info for HTL Mapping

Yes, that is a problem.

## Deliberative Process / Ex. 5



# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Thursday, March 31, 2016 2:50 PM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** Info for HTL Mapping

Hi, Tim. Here are the photos & the spreadsheet. I noticed that the datums page for 3 of the 5 sites does not list the NAVD88 elevation, but I have not had a chance to look into that issue. I won't be in tomorrow, but will be working (offsite) on Monday & Tuesday, so we can certainly touch base before I'm back in the office.

Thanks for your help,

Heather

Message

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 3/31/2016 9:50:22 PM  
**To:** Siwiec, Tim [Siwiec.Tim@epa.gov]  
**Subject:** Info for HTL Mapping  
**Attachments:**

## Deliberative Process / Ex. 5

Hi, Tim. Here are the photos & the spreadsheet. I noticed that the datums page for 3 of the 5 sites does not list the NAVD88 elevation, but I have not had a chance to look into that issue. I won't be in tomorrow, but will be working (offsite) on Monday & Tuesday, so we can certainly touch base before I'm back in the office.

Thanks for your help,

Heather

Message

---

**From:** Siwiec, Tim [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A10D9EF903924C49858131679612C225-SIWIEC, TIM]  
**Sent:** 10/20/2016 4:52:31 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** RE: HTL Map Revision  
**Attachments:** TidalDatumComparisonTacoma.pdf; TidalDatumComparisonSeattle.pdf; TidalDatumComparisonPortAngeles.pdf; TidalDatumComparisonNeahBay.pdf; TidalDatumComparisonTulalip.pdf; TidalDatumComparisonCapeDisappointment.pdf; TidalDatumComparisonTulalipSouthWest.pdf

Here you go!

## Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Wednesday, October 19, 2016 9:55 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: HTL Map Revision

## Deliberative Process / Ex. 5

Thanks again,

Heather

---

**From:** Siwiec, Tim  
**Sent:** Wednesday, October 19, 2016 8:57 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

No problem, I can get to it tomorrow so let me know if you will need any more updates by then.  
Thanks!

---

**From:** Dean, Heather  
**Sent:** Tuesday, October 18, 2016 6:54 PM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: HTL Map Revision

Awesome! Can you just do two more things:

**Deliberative Process / Ex. 5**

**Deliberative Process / Ex. 5**

Thanks!

Heather

---

**From:** Siwiec, Tim

**Sent:** Tuesday, October 18, 2016 3:47 PM

**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>

**Subject:** RE: HTL Map Revision

**Deliberative Process / Ex. 5**

They are all attached in PDF form.

Tim Siwiec

**U.S. Environmental Protection Agency | Region 10**

1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather

**Sent:** Monday, October 17, 2016 4:10 PM

**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>

**Subject:** RE: HTL Map Revision

Thanks, Tim.

I noticed that I neglected to send you updated elevation charts for the maps. They are in the attached Excel file.

**Deliberative Process / Ex. 5**

Thanks again!

Heather

---

**From:** Siwiec, Tim

**Sent:** Friday, October 07, 2016 10:50 AM

**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>

**Subject:** RE: HTL Map Revision

Heather,

Disregard my email from yesterday (10/6/16).

**Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

Enjoy.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Siwiec, Tim  
**Sent:** Thursday, October 06, 2016 4:03 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

Heather,

# Deliberative Process / Ex. 5

Thanks

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Siwiec, Tim  
**Sent:** Tuesday, October 04, 2016 5:28 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

I will add them to the 6 maps, I should be able to tackle this on Thursday.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, October 03, 2016 3:58 PM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: HTL Map Revision

Hi, Tim. **Deliberative Process / Ex. 5**

**Deliberative Process / Ex. 5**

I look forward to seeing how those show on the maps.

Thanks much!

Heather

---

**From:** Siwiec, Tim  
**Sent:** Wednesday, September 21, 2016 10:18 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

Sure thing, yes, when you get all 6 send them to me and I can update them all in 1 batch.

Thx

---

**From:** Dean, Heather  
**Sent:** Wednesday, September 21, 2016 10:15 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: HTL Map Revision

Hi, again.

## Deliberative Process / Ex. 5

I will do the calculations for the other four sites. Do you want them as I get them or all together?

Thanks so much!!

Heather

---

**From:** Siwiec, Tim  
**Sent:** Tuesday, September 20, 2016 11:30 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

## Deliberative Process / Ex. 5

Here's another view showing the elevation model.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Tuesday, September 20, 2016 11:25 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: HTL Map Revision

## Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

---

**From:** Siwiec, Tim  
**Sent:** Tuesday, September 20, 2016 11:07 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

Heather,

I am glad to hear you have found some success with ArcMap and the GIS software.  
And yes, I can help remake these maps as need arises.

## Deliberative Process / Ex. 5

Here are two scaled versions of this map (one zoomed out and one zoomed in).

Let me know if these will work.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147



**From:** Dean, Heather  
**Sent:** Thursday, September 15, 2016 2:27 PM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** HTL Map Revision

Hi Tim.

Thanks for the GIS demo today. Up until recently I was using GIS a lot & actually have ArcGIS. I haven't been able to use it a lot lately, but I'm excited to see where & how to get other layers!

Perhaps ironically, then, I am writing to ask if you could, for starters, do another map for us for the HTL project. Actually, this is probably the first of two more asks, the other being an updated version of the six you already did, but we have to reach agreement with the Corps as to what those are going to show before I can ask. The first request relates to that.

**Deliberative Process / Ex. 5**

## **Deliberative Process / Ex. 5**

Let me know if I've left out any key info or you have questions.

Thanks!

Heather

## **Deliberative Process / Ex. 5**

Message

---

**From:** Siwiec, Tim [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A10D9EF903924C49858131679612C225-SIWIEC, TIM]  
**Sent:** 10/18/2016 11:47:22 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** RE: HTL Map Revision  
**Attachments:** TidalDatumComparisonCapeDisappointment.pdf; TidalDatumComparisonNeahBay.pdf; TidalDatumComparisonPortAngeles.pdf; TidalDatumComparisonSeattle.pdf; TidalDatumComparisonTacoma.pdf; TidalDatumComparisonTulalip.pdf; TidalDatumComparisonTulalipSouthWest.pdf

**Deliberative Process / Ex. 5**

They are all attached in PDF form.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, October 17, 2016 4:10 PM  
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Thanks, Tim.

I noticed that I neglected to send you updated elevation charts for the maps. They are in the attached Excel file.

**Deliberative Process / Ex. 5**

Thanks again!

Heather

---

**From:** Siwiec, Tim  
**Sent:** Friday, October 07, 2016 10:50 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

Heather,

Disregard my email from yesterday (10/6/16).

**Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

Enjoy.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Siwiec, Tim  
**Sent:** Thursday, October 06, 2016 4:03 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

Heather,

# Deliberative Process / Ex. 5

Thanks

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Siwiec, Tim  
**Sent:** Tuesday, October 04, 2016 5:28 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

I will add them to the 6 maps, I should be able to tackle this on Thursday.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10

---

**From:** Dean, Heather  
**Sent:** Monday, October 03, 2016 3:58 PM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: HTL Map Revision

Hi, Tim. **Deliberative Process / Ex. 5**

**Deliberative Process / Ex. 5**

I look forward to seeing how those show on the maps.

Thanks much!

Heather

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---

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**Deliberative Process / Ex. 5**

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## Deliberative Process / Ex. 5

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U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

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**Subject:** RE: HTL Map Revision

Thanks!

Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

---

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## Deliberative Process / Ex. 5

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Let me know if these will work.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

**From:** Dean, Heather  
**Sent:** Thursday, September 15, 2016 2:27 PM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** HTL Map Revision

Hi Tim.

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**Deliberative Process / Ex. 5**

## **Deliberative Process / Ex. 5**

Let me know if I've left out any key info or you have questions.

Thanks!

Heather

## **Deliberative Process / Ex. 5**

Message

---

**From:** Siwiec, Tim [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A10D9EF903924C49858131679612C225-SIWIEC, TIM]  
**Sent:** 9/15/2016 9:34:17 PM  
**To:** Islam, Mahbubul [Islam.Mahbubul@epa.gov]  
**Subject:** FW: HTL Map Revision

Here is the first request resulting from today's GIS info session....

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

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**Sent:** Thursday, September 15, 2016 2:27 PM  
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**Subject:** HTL Map Revision

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**Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

Let me know if I've left out any key info or you have questions.

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# **Deliberative Process / Ex. 5**

Message

---

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**Sent:** 10/7/2016 5:50:26 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** RE: HTL Map Revision  
**Attachments:** TidalDatumComparisonCapeDisappointment.pdf; TidalDatumComparisonNeahBay.pdf; TidalDatumComparisonPortAngeles.pdf; TidalDatumComparisonSeattle.pdf; TidalDatumComparisonTacoma.pdf; TidalDatumComparisonTulalip.pdf; TidalDatumComparisonTulalipSouthWest.pdf; XYDistanceHATvMHHWvMMHTvMHPTAverages.xlsx

Heather,

Disregard my email from yesterday (10/6/16).

# Deliberative Process / Ex. 5

Enjoy.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Siwiec, Tim  
**Sent:** Thursday, October 06, 2016 4:03 PM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: HTL Map Revision

Heather,

# Deliberative Process / Ex. 5

Thanks

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

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**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: HTL Map Revision

I will add them to the 6 maps, I should be able to tackle this on Thursday.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

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**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
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**Deliberative Process / Ex. 5**

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## Deliberative Process / Ex. 5

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To: Dean, Heather <Dean.Heather@epa.gov>

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## Deliberative Process / Ex. 5

Here's another view showing the elevation model.

Tim Siwiec

U.S. Environmental Protection Agency | Region 10

1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101

206.553.2147

---

From: Dean, Heather

Sent: Tuesday, September 20, 2016 11:25 AM

To: Siwiec, Tim <Siwiec.Tim@epa.gov>

Subject: RE: HTL Map Revision

Thanks!

Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

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**Sent:** Tuesday, September 20, 2016 11:07 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
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## Deliberative Process / Ex. 5

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U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

**From:** Dean, Heather  
**Sent:** Thursday, September 15, 2016 2:27 PM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** HTL Map Revision

Hi Tim.

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**Deliberative Process / Ex. 5**

## **Deliberative Process / Ex. 5**

Let me know if I've left out any key info or you have questions.

Thanks!

Heather

## **Deliberative Process / Ex. 5**

## Appointment

---

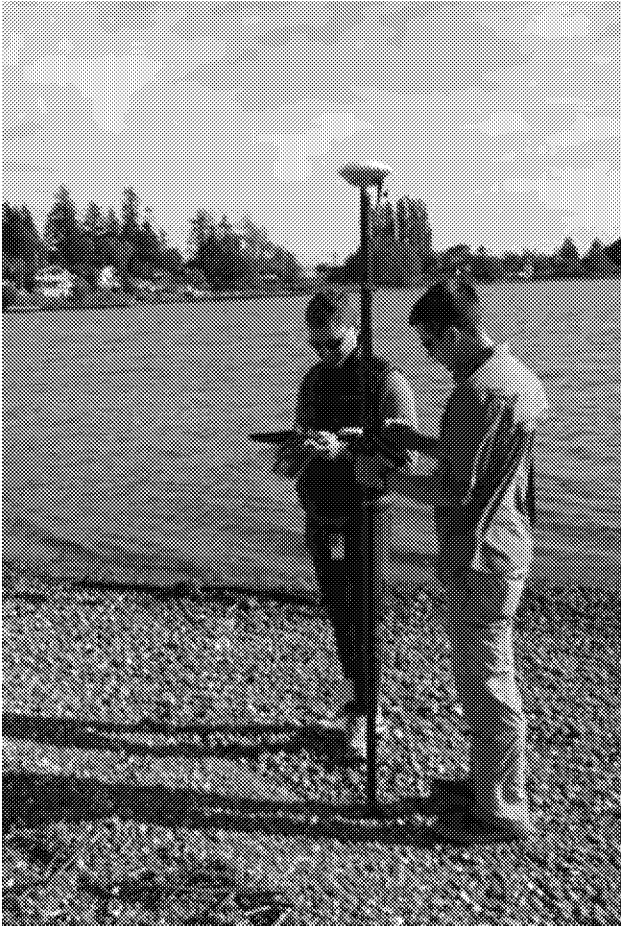
**From:** Siwiec, Tim [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A10D9EF903924C49858131679612C225-SIWIEC, TIM]  
**Sent:** 5/11/2016 6:08:06 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]  
**Subject:** Accepted: discuss field procedures for HTL- internal- probably won't need whole hour  
**Location:** phone or Heather and Tim together  
**Start:** 5/11/2016 8:30:00 PM  
**End:** 5/11/2016 9:30:00 PM  
**Show Time As:** Busy

Message

---

**From:** Siwiec, Tim [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A10D9EF903924C49858131679612C225-SIWIEC, TIM]  
**Sent:** 5/6/2016 6:26:58 PM  
**To:** Augustine, Scott [augustine.scott@epa.gov]; Lopez-Baird, James [Lopez-Baird.James@epa.gov]; Islam, Mahbubul [Islam.Mahbubul@epa.gov]  
**Subject:** FW: GPS elevation results from HTL datum comparison field work 5/5/16  
**Attachments:** ObserverdGPSTidalElevation.csv

We got some use of the Geoplatform on the ER Ipad yesterday while out in the field doing the tidal datum project with Murchie and Szerlog and their staff.







---

**From:** Siwiec, Tim  
**Sent:** Friday, May 06, 2016 10:41 AM  
**To:** Lopez-Baird, James <Lopez-Baird.James@epa.gov>  
**Subject:** FW: GPS elevation results from HTL datum comparison field work 5/5/16

**Deliberative Process / Ex. 5**

---

**From:** Siwiec, Tim  
**Sent:** Friday, May 06, 2016 10:39 AM  
**To:** Dionne, Phillip E (DFW) <Phillip.Dionne@dfw.wa.gov>; Meyer, Susan <meyer.susan@epa.gov>; Dean, Heather <Dean.Heather@epa.gov>; Szerlog, Michael <szerlog.michael@epa.gov>; Murchie, Peter <Murchie.Peter@epa.gov>; Szalay, Endre <Szalay.Endre@epa.gov>  
**Subject:** GPS elevation results from HTL datum comparison field work 5/5/16

Nice working with you all yesterday!

Here are screenshots of the characterized tides we observed and collected GPS elevation points for yesterday at our 3 sites.

**Deliberative Process / Ex. 5**

**Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

For more a more detailed view, checkout out EPA's Geoplatform for online viewing of these maps:

<http://arcg.is/1ZnIVhu>

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OEA-095 | Seattle, WA 98101  
206.553.2147

Message

---

**From:** Siwiec, Tim [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A10D9EF903924C49858131679612C225-SIWIEC, TIM]  
**Sent:** 10/6/2016 11:04:20 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** RE: HTL Map Revision  
**Attachments:** TidalDatumComparisonTulalip.pdf; TidalDatumComparisonCapeDisappointment.pdf; TidalDatumComparisonTulalipSouthWest.pdf; TidalDatumComparisonSeattle.pdf; TidalDatumComparisonTacoma.pdf; TidalDatumComparisonNeahBay.pdf; TidalDatumComparisonPortAngeles.pdf

Heather,

# Deliberative Process / Ex. 5

Thanks

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Siwiec, Tim  
**Sent:** Tuesday, October 04, 2016 5:28 PM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: HTL Map Revision

I will add them to the 6 maps, I should be able to tackle this on Thursday.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, October 03, 2016 3:58 PM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: HTL Map Revision

Hi, Tim. Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

I look forward to seeing how those show on the maps.

Thanks much!

Heather

---

**From:** Siwiec, Tim  
**Sent:** Wednesday, September 21, 2016 10:18 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

Sure thing, yes, when you get all 6 send them to me and I can update them all in 1 batch.

Thx

---

**From:** Dean, Heather  
**Sent:** Wednesday, September 21, 2016 10:15 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: HTL Map Revision

Hi, again.

## Deliberative Process / Ex. 5

I will do the calculations for the other four sites. Do you want them as I get them or all together?

Thanks so much!!

Heather

---

**From:** Siwiec, Tim  
**Sent:** Tuesday, September 20, 2016 11:30 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

## Deliberative Process / Ex. 5

Here's another view showing the elevation model.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Tuesday, September 20, 2016 11:25 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: HTL Map Revision

Thanks! Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

---

**From:** Siwiec, Tim  
**Sent:** Tuesday, September 20, 2016 11:07 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

Heather,

I am glad to hear you have found some success with ArcMap and the GIS software.  
And yes, I can help remake these maps as need arises.

## Deliberative Process / Ex. 5

Here are two scaled versions of this map (one zoomed out and one zoomed in).

Let me know if these will work.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Thursday, September 15, 2016 2:27 PM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** HTL Map Revision

Hi Tim.

Thanks for the GIS demo today. Up until recently I was using GIS a lot & actually have ArcGIS. I haven't been able to use it a lot lately, but I'm excited to see where & how to get other layers!

Perhaps ironically, then, I am writing to ask if you could, for starters, do another map for us for the HTL project. Actually, this is probably the first of two more asks, the other being an updated version of the six you already did, but we have to reach agreement with the Corps as to what those are going to show before I can ask. The first request relates to that.

Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

Let me know if I've left out any key info or you have questions.

Thanks!

Heather



# **Deliberative Process / Ex. 5**

Message

---

**From:** Siwiec, Tim [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A10D9EF903924C49858131679612C225-SIWIEC, TIM]  
**Sent:** 9/20/2016 6:07:09 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** RE: HTL Map Revision  
**Attachments:** TidalDatumComparisonTulalipSouthWestZoomedIn.pdf; TidalDatumComparisonTulalipSouthWestZoomedOut.pdf

Heather,

I am glad to hear you have found some success with ArcMap and the GIS software. And yes, I can help remake these maps as need arises.

## Deliberative Process / Ex. 5

Here are two scaled versions of this map (one zoomed out and one zoomed in).

Let me know if these will work.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

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**From:** Dean, Heather  
**Sent:** Thursday, September 15, 2016 2:27 PM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
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Perhaps ironically, then, I am writing to ask if you could, for starters, do another map for us for the HTL project. Actually, this is probably the first of two more asks, the other being an updated version of the six you already did, but we have to reach agreement with the Corps as to what those are going to show before I can ask. The first request relates to that.

Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

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Thanks!

# **Deliberative Process / Ex. 5**

Message

---

**From:** Siwiec, Tim [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A10D9EF903924C49858131679612C225-SIWIEC, TIM]  
**Sent:** 4/12/2016 4:49:18 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** RE: Info for HTL Mapping  
**Attachments:** TidalDatumComparisonNeahBay.pdf; TidalDatumComparisonSeattle.pdf

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Tuesday, April 12, 2016 9:35 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** FW: Info for HTL Mapping

# Deliberative Process / Ex. 5

---

**From:** Dean, Heather  
**Sent:** Tuesday, April 12, 2016 9:14 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: Info for HTL Mapping

Cool. **Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

**From:** Siwiec, Tim  
**Sent:** Tuesday, April 12, 2016 9:07 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

**Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 5th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Tuesday, April 12, 2016 8:58 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Me, again. **Deliberative Process / Ex. 5**

---

**From:** Siwiec, Tim  
**Sent:** Monday, April 11, 2016 4:36 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, DERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, April 11, 2016 2:43 PM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Dang,

**Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

Thanks,

Heather

---

**From:** Siwiec, Tim  
**Sent:** Monday, April 11, 2016 2:12 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Heather,

# Deliberative Process / Ex. 5

Let's talk.

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Siwiec, Tim  
**Sent:** Monday, April 11, 2016 10:34 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

## Deliberative Process / Ex. 5

appears to up and down lately.

.. that is, when the NOAA website comes back online, it



Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, April 11, 2016 10:22 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Okay, cool.

Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

Thanks!

Heather

---

**From:** Siwiec, Tim  
**Sent:** Monday, April 11, 2016 9:54 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Yes, it is different.

# Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
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---

**From:** Dean, Heather  
**Sent:** Monday, April 11, 2016 9:30 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Okay, I may be confused.

**Deliberative Process / Ex. 5**

---

**From:** Siwiec, Tim  
**Sent:** Monday, April 11, 2016 9:02 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, April 11, 2016 7:48 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Sweet, that looks awesome!

Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

---

**From:** Siwiec, Tim  
**Sent:** Thursday, April 07, 2016 2:53 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Heather,

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, DERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Thursday, April 07, 2016 11:11 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

## Deliberative Process / Ex. 5

---

**From:** Siwiec, Tim  
**Sent:** Thursday, April 07, 2016 11:09 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

## Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10

---

**From:** Dean, Heather  
**Sent:** Thursday, April 07, 2016 11:08 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Oh, geez; I'm sorry.

Deliberative Process / Ex. 5

Thanks!

---

**From:** Siwiec, Tim  
**Sent:** Thursday, April 07, 2016 11:07 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Thursday, April 07, 2016 9:56 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Hey, Tim.

# Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

Thanks,

Heather

---

**From:** Siwiec, Tim

**Sent:** Tuesday, April 05, 2016 6:00 PM

**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>

**Subject:** RE: Info for HTL Mapping

I spent some time this week working on the HTL mapping project.

A few things:

# Deliberative Process / Ex. 5

# **Deliberative Process / Ex. 5**

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Thursday, March 31, 2016 2:50 PM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** Info for HTL Mapping

Hi, Tim. Here are the photos & the spreadsheet. I noticed that the datums page for 3 of the 5 sites does not list the NAVD88 elevation, but I have not had a chance to look into that issue. I won't be in tomorrow, but will be working (offsite) on Monday & Tuesday, so we can certainly touch base before I'm back in the office.

Thanks for your help,

Heather

Message

---

**From:** Siwiec, Tim [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A10D9EF903924C49858131679612C225-SIWIEC, TIM]  
**Sent:** 4/11/2016 11:36:22 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** RE: Info for HTL Mapping  
**Attachments:** TidalDatumComparisonNeahBay.pdf; TidalDatumComparisonSeattle.pdf

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, April 11, 2016 2:43 PM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: Info for HTL Mapping

Dang, **Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

Thanks,

Heather

---

**From:** Siwiec, Tim  
**Sent:** Monday, April 11, 2016 2:12 PM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: Info for HTL Mapping

Heather,

# Deliberative Process / Ex. 5

Let's talk.



# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Siwiec, Tim  
**Sent:** Monday, April 11, 2016 10:34 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

**Deliberative Process / Ex. 5** that is, when the NOAA website comes back online, it appears to up and down lately.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

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**From:** Dean, Heather  
**Sent:** Monday, April 11, 2016 10:22 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Okay, cool.

**Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

Thanks!

Heather

---

**From:** Siwiec, Tim  
**Sent:** Monday, April 11, 2016 9:54 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Yes, it is different.

# Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, DERA-140 | Seattle, WA 98101  
206.553.2147

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**Sent:** Monday, April 11, 2016 9:30 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Okay, I may be confused.

**Deliberative Process / Ex. 5**

---

**From:** Siwiec, Tim  
**Sent:** Monday, April 11, 2016 9:02 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

# Deliberative Process / Ex. 5

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1200 6th Avenue, Suite 900, DERA-140 | Seattle, WA 98101  
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**Deliberative Process / Ex. 5**

## Deliberative Process / Ex. 5

---

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Heather,

## Deliberative Process / Ex. 5

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**Subject:** RE: Info for HTL Mapping

## Deliberative Process / Ex. 5

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**From:** Siwiec, Tim  
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**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

**Deliberative Process / Ex. 5**

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10

---

**From:** Dean, Heather  
**Sent:** Thursday, April 07, 2016 11:08 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Oh, geez!

**Deliberative Process / Ex. 5**

Thanks!

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**Subject:** RE: Info for HTL Mapping

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Thursday, April 07, 2016 9:56 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Hey, Tim.

# Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

Thanks,

Heather

---

**From:** Siwiec, Tim

**Sent:** Tuesday, April 05, 2016 6:00 PM

**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>

**Subject:** RE: Info for HTL Mapping

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A few things:

# Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Thursday, March 31, 2016 2:50 PM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** Info for HTL Mapping

Hi, Tim. Here are the photos & the spreadsheet. I noticed that the datums page for 3 of the 5 sites does not list the NAVD88 elevation, but I have not had a chance to look into that issue. I won't be in tomorrow, but will be working (offsite) on Monday & Tuesday, so we can certainly touch base before I'm back in the office.

Thanks for your help,

Heather



## Appointment

---

**From:** Siwiec, Tim [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A10D9EF903924C49858131679612C225-SIWIEC, TIM]  
**Sent:** 4/11/2016 3:35:36 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]  
**Subject:** Accepted: Practice field HTL in Seattle and Tacoma  
**Location:** meet at either Tacoma or Seattle beach site  
**Start:** 5/5/2016 3:00:00 PM  
**End:** 5/5/2016 9:00:00 PM  
**Show Time As:** Busy

Message

---

**From:** Siwiec, Tim [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A10D9EF903924C49858131679612C225-SIWIEC, TIM]  
**Sent:** 4/7/2016 9:53:24 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** RE: Info for HTL Mapping  
**Attachments:** HATvMHHWcomparisonSeattle.pdf

Heather,

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Thursday, April 07, 2016 11:11 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: Info for HTL Mapping

## Deliberative Process / Ex. 5

---

**From:** Siwiec, Tim  
**Sent:** Thursday, April 07, 2016 11:09 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: Info for HTL Mapping

## Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

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**From:** Dean, Heather  
**Sent:** Thursday, April 07, 2016 11:08 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: Info for HTL Mapping

Oh, geez;

**Deliberative Process / Ex. 5**

Deliberative Process / Ex. 5  
Thanks!

---

**From:** Siwiec, Tim

**Sent:** Thursday, April 07, 2016 11:07 AM

**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>

**Subject:** RE: Info for HTL Mapping

# Deliberative Process / Ex. 5

---

Tim Siwiec

U.S. Environmental Protection Agency | Region 10

1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101

206.553.2147

---

**From:** Dean, Heather

**Sent:** Thursday, April 07, 2016 9:56 AM

**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>

**Subject:** RE: Info for HTL Mapping

Hey, Tim.

# Deliberative Process / Ex. 5

Thanks,

Heather

---

**From:** Siwiec, Tim  
**Sent:** Tuesday, April 05, 2016 6:00 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

I spent some time this week working on the HTL mapping project.

A few things:

# Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

Tim Siwec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Thursday, March 31, 2016 2:50 PM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** Info for HTL Mapping

Hi, Tim. Here are the photos & the spreadsheet. I noticed that the datums page for 3 of the 5 sites does not list the NAVD88 elevation, but I have not had a chance to look into that issue. I won't be in tomorrow, but will be working (offsite) on Monday & Tuesday, so we can certainly touch base before I'm back in the office.

Thanks for your help,

Heather

Message

**From:** Siwiec, Tim [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A10D9EF903924C49858131679612C225-SIWIEC, TIM]  
**Sent:** 4/7/2016 6:15:10 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** RE: Info for HTL Mapping

## Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

**From:** Dean, Heather  
**Sent:** Thursday, April 07, 2016 11:11 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: Info for HTL Mapping

## Deliberative Process / Ex. 5

**From:** Siwiec, Tim  
**Sent:** Thursday, April 07, 2016 11:09 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: Info for HTL Mapping

## Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

**From:** Dean, Heather  
**Sent:** Thursday, April 07, 2016 11:08 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: Info for HTL Mapping

Oh, geez; **Deliberative Process / Ex. 5**

**Deliberative Process / Ex. 5** Thanks!

**From:** Siwiec, Tim  
**Sent:** Thursday, April 07, 2016 11:07 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: Info for HTL Mapping

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Thursday, April 07, 2016 9:56 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Hey, Tim.

# Deliberative Process / Ex. 5

Thanks,

Heather

---

**From:** Siwiec, Tim  
**Sent:** Tuesday, April 05, 2016 6:00 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

I spent some time this week working on the HTL mapping project.



A few things:

# Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Thursday, March 31, 2016 2:50 PM

**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>

**Subject:** Info for HTL Mapping

Hi, Tim. Here are the photos & the spreadsheet. I noticed that the datums page for 3 of the 5 sites does not list the NAVD88 elevation, but I have not had a chance to look into that issue. I won't be in tomorrow, but will be working (offsite) on Monday & Tuesday, so we can certainly touch base before I'm back in the office.

Thanks for your help,

Heather

## Appointment

---

**From:** Siwiec, Tim [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A10D9EF903924C49858131679612C225-SIWIEC, TIM]  
**Sent:** 4/7/2016 3:47:11 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]  
**Subject:** Accepted: Hold for practice HTL field exercise until I nail down which day works for Phill Dionne  
**Location:** out and about  
  
**Start:** 5/10/2016 3:00:00 PM  
**End:** 5/11/2016  
**Show Time As:** Busy

## Appointment

---

**From:** Siwiec, Tim [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A10D9EF903924C49858131679612C225-SIWIEC, TIM]  
**Sent:** 3/14/2016 5:18:09 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** Accepted: Discuss High Tide Line Mapping  
**Location:** Heather Will Call  
  
**Start:** 3/15/2016 4:00:00 PM  
**End:** 3/15/2016 4:30:00 PM  
**Show Time As:** Busy

Message

---

**From:** Siwiec, Tim [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A10D9EF903924C49858131679612C225-SIWIEC, TIM]  
**Sent:** 8/1/2016 4:42:52 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** RE: High Tide Line Maps  
**Attachments:** TidalDatumComparisonTulalip.pdf

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, August 01, 2016 9:23 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: High Tide Line Maps

These three are great; thank!

---

**From:** Siwiec, Tim  
**Sent:** Monday, August 01, 2016 9:15 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: High Tide Line Maps

Keep the QA/QC editing coming!

Just one more map to go (Tulalip)

3 maps attached.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, August 01, 2016 8:54 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: High Tide Line Maps

Oh, ok; was waiting till you sent the other two. Actually, I found a second tiny thing.

**Deliberative Process / Ex. 5**

## Deliberative Process / Ex. 5

Thanks!

---

**From:** Siwiec, Tim  
**Sent:** Monday, August 01, 2016 8:51 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: High Tide Line Maps

Great, lemme know what it is in the next 2 hours pls

---

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, August 01, 2016 7:39 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: High Tide Line Maps

Awesome. Sounds good; I've got one tiny thing [Deliberative Process / Ex. 5] Thanks!

---

**From:** Siwiec, Tim  
**Sent:** Thursday, July 28, 2016 2:11 PM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Cc:** Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** RE: High Tide Line Maps

Heather, I was able to make the changes your requested to 4 of the 6 maps outlined below.  
I will most likely get the last two completed Monday morning.

Also that would be a good time to discuss further tweaks if needed to the set of 6.

---

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Tuesday, July 26, 2016 8:21 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** FW: High Tide Line Maps

Hi, Tim.

# Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

issues or questions.

Let me know if you have any

Thanks,

Heather

---

**From:** Dean, Heather

**Sent:** Monday, July 25, 2016 3:00 PM

**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>

**Subject:** High Tide Line Maps

Hi, Tim.

## Deliberative Process / Ex. 5

So that end, I have a few requested revisions, as well as a couple of questions. Here they are:

# Deliberative Process / Ex. 5



# Deliberative Process / Ex. 5

Let me know if you have any questions or issues.

Thanks!

Heather

Message

---

**From:** Siwiec, Tim [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A10D9EF903924C49858131679612C225-SIWIEC, TIM]  
**Sent:** 8/1/2016 4:14:56 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** RE: High Tide Line Maps  
**Attachments:** TidalDatumComparisonTacoma.pdf; TidalDatumComparisonCapeDisappointment.pdf; TidalDatumComparisonNeahBay.pdf

Keep the QA/QC editing coming!

Just one more map to go (Tulalip)

3 maps attached.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, August 01, 2016 8:54 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: High Tide Line Maps

Oh, ok; was waiting till you sent the other two. Actually, I found a second tiny thing **Deliberative Process / Ex. 5**

**Deliberative Process / Ex. 5**

Thanks!

---

**From:** Siwiec, Tim  
**Sent:** Monday, August 01, 2016 8:51 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: High Tide Line Maps

Great, lemme know what it is in the next 2 hours pls

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, August 01, 2016 7:39 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: High Tide Line Maps

Awesome. Sounds good; I've got one tiny thing **Deliberative Process / Ex. 5** Thanks!

---

**From:** Siwiec, Tim  
**Sent:** Thursday, July 28, 2016 2:11 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Cc:** Meyer, Susan <[meyer.susan@epa.gov](mailto:meyer.susan@epa.gov)>  
**Subject:** RE: High Tide Line Maps

Heather, I was able to make the changes your requested to 4 of the 6 maps outlined below.  
I will most likely get the last two completed Monday morning.

Also that would be a good time to discuss further tweaks if needed to the set of 6.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Tuesday, July 26, 2016 8:21 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** FW: High Tide Line Maps

Hi, Tim.

# Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Let me know if you have any issues or questions.

Thanks,

Heather

---

**From:** Dean, Heather  
**Sent:** Monday, July 25, 2016 3:00 PM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** High Tide Line Maps

Hi, Tim.

Deliberative Process / Ex. 5

To that end, I have a few requested revisions, as well as a couple of questions. Here they are:

# Deliberative Process / Ex. 5

# **Deliberative Process / Ex. 5**

Let me know if you have any questions or issues.

Thanks!

Heather

Message

---

**From:** Siwiec, Tim [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A10D9EF903924C49858131679612C225-SIWIEC, TIM]  
**Sent:** 5/11/2016 8:23:22 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]; Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** RE: discuss field procedures for HTL- internal- probably won't need whole hour

Phone: 206-553-2147 thx

-----Original Appointment-----

**From:** Meyer, Susan  
**Sent:** Wednesday, May 11, 2016 11:00 AM  
**To:** Meyer, Susan; Dean, Heather; Siwiec, Tim  
**Subject:** discuss field procedures for HTL- internal- probably won't need whole hour  
**When:** Wednesday, May 11, 2016 1:30 PM-2:30 PM (UTC-08:00) Pacific Time (US & Canada).  
**Where:** phone or Heather and Tim together

Message

---

**From:** Siwiec, Tim [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A10D9EF903924C49858131679612C225-SIWIEC, TIM]  
**Sent:** 4/12/2016 8:45:14 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** RE: Info for HTL Mapping

## Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Tuesday, April 12, 2016 9:57 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: Info for HTL Mapping

## Deliberative Process / Ex. 5

---

**From:** Siwiec, Tim  
**Sent:** Tuesday, April 12, 2016 9:54 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: Info for HTL Mapping

## Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10

**From:** Dean, Heather  
**Sent:** Tuesday, April 12, 2016 9:35 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** FW: Info for HTL Mapping

## Deliberative Process / Ex. 5

**From:** Dean, Heather  
**Sent:** Tuesday, April 12, 2016 9:14 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

## Deliberative Process / Ex. 5

**From:** Siwiec, Tim  
**Sent:** Tuesday, April 12, 2016 9:07 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, DERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Tuesday, April 12, 2016 8:58 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Me, again. **Deliberative Process / Ex. 5**

---

**From:** Siwiec, Tim  
**Sent:** Monday, April 11, 2016 4:36 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

# Deliberative Process / Ex. 5



Assuming this format and process are what you had in mind, which maps should I work on next?

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, April 11, 2016 2:43 PM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Dang,

Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

Thanks,

Heather

---

**From:** Siwiec, Tim  
**Sent:** Monday, April 11, 2016 2:12 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Heather,

# Deliberative Process / Ex. 5

Let's talk.

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Siwiec, Tim  
**Sent:** Monday, April 11, 2016 10:34 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

**Deliberative Process / Ex. 5**

that is, when the NOAA website comes back online, it appears to up and down lately.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, April 11, 2016 10:22 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Okay, cool.

**Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

Thanks!

Heather

---

**From:** Siwiec, Tim  
**Sent:** Monday, April 11, 2016 9:54 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Yes, it is different.

# Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, DERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, April 11, 2016 9:30 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Okay, I may be confused. **Deliberative Process / Ex. 5**

---

**From:** Siwiec, Tim  
**Sent:** Monday, April 11, 2016 9:02 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, DERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, April 11, 2016 7:48 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Sweet; that looks awesome!

**Deliberative Process / Ex. 5**

**Deliberative Process / Ex. 5**

Thanks!

---

**From:** Siwiec, Tim  
**Sent:** Thursday, April 07, 2016 2:53 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Heather,

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, DERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Thursday, April 07, 2016 11:11 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

## Deliberative Process / Ex. 5

---

**From:** Siwiec, Tim  
**Sent:** Thursday, April 07, 2016 11:09 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

## Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10

---

**From:** Dean, Heather  
**Sent:** Thursday, April 07, 2016 11:08 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: Info for HTL Mapping

Oh, geez;

**Deliberative Process / Ex. 5**

Deliberative Process / Ex. 5 thanks!

---

**From:** Siwiec, Tim  
**Sent:** Thursday, April 07, 2016 11:07 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: Info for HTL Mapping

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Thursday, April 07, 2016 9:56 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: Info for HTL Mapping

Hey, Tim.

**Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

Thanks,

Heather

---

**From:** Siwiec, Tim

**Sent:** Tuesday, April 05, 2016 6:00 PM

**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>

**Subject:** RE: Info for HTL Mapping

I spent some time this week working on the HTL mapping project.

A few things:

# Deliberative Process / Ex. 5

# **Deliberative Process / Ex. 5**



Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Thursday, March 31, 2016 2:50 PM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** Info for HTL Mapping

Hi, Tim. Here are the photos & the spreadsheet. I noticed that the datums page for 3 of the 5 sites does not list the NAVD88 elevation, but I have not had a chance to look into that issue. I won't be in tomorrow, but will be working (offsite) on Monday & Tuesday, so we can certainly touch base before I'm back in the office.

Thanks for your help,

Heather

Message

---

**From:** Siwiec, Tim [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A10D9EF903924C49858131679612C225-SIWIEC, TIM]  
**Sent:** 4/12/2016 8:33:50 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** RE: Info for HTL Mapping  
**Attachments:** DRAFTTidalDatumComparisonOlympia.pdf

# Deliberative Process / Ex. 5

Map attached.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Tuesday, April 12, 2016 11:36 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: Info for HTL Mapping

Ugh, indeed!

**Deliberative Process / Ex. 5**

---

**From:** Siwiec, Tim  
**Sent:** Tuesday, April 12, 2016 11:16 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: Info for HTL Mapping

# Deliberative Process / Ex. 5

Ugh☹

# **Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Tuesday, April 12, 2016 10:37 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

# Deliberative Process / Ex. 5

Thanks....

# Deliberative Process / Ex. 5

---

**From:** Siwiec, Tim  
**Sent:** Tuesday, April 12, 2016 10:04 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

## Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

**From:** Dean, Heather  
**Sent:** Tuesday, April 12, 2016 9:57 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

## Deliberative Process / Ex. 5

**From:** Siwiec, Tim  
**Sent:** Tuesday, April 12, 2016 9:54 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

## Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

**From:** Dean, Heather  
**Sent:** Tuesday, April 12, 2016 9:35 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** FW: Info for HTL Mapping

## Deliberative Process / Ex. 5

**From:** Dean, Heather  
**Sent:** Tuesday, April 12, 2016 9:14 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Cool. Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

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**From:** Siwiec, Tim  
**Sent:** Tuesday, April 12, 2016 9:07 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

**Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Tuesday, April 12, 2016 8:58 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Me, again. Deliberative Process / Ex. 5

---

**From:** Siwiec, Tim  
**Sent:** Monday, April 11, 2016 4:36 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

# Deliberative Process / Ex. 5



Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, DERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, April 11, 2016 2:43 PM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Dang, **Deliberative Process / Ex. 5**

## **Deliberative Process / Ex. 5**

Thanks,

Heather

---

**From:** Siwiec, Tim  
**Sent:** Monday, April 11, 2016 2:12 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Heather,

## **Deliberative Process / Ex. 5**

Let's talk.

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Siwiec, Tim  
**Sent:** Monday, April 11, 2016 10:34 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

## Deliberative Process / Ex. 5

appears to up and down lately.

that is, when the NOAA website comes back online, it

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, April 11, 2016 10:22 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Okay, cool.

**Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

Thanks!

Heather

---

**From:** Siwiec, Tim  
**Sent:** Monday, April 11, 2016 9:54 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Yes, it is different.

# Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, DERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, April 11, 2016 9:30 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Okay, I may be confused.

**Deliberative Process / Ex. 5**

---

**From:** Siwiec, Tim  
**Sent:** Monday, April 11, 2016 9:02 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, DERA-140 | Seattle, WA 98101  
206.553.2147

**From:** Dean, Heather  
**Sent:** Monday, April 11, 2016 7:48 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Sweet; that looks awesome!

**Deliberative Process / Ex. 5**

## Deliberative Process / Ex. 5

**From:** Siwiec, Tim  
**Sent:** Thursday, April 07, 2016 2:53 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Heather,

## Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, DERA-140 | Seattle, WA 98101  
206.553.2147

**From:** Dean, Heather  
**Sent:** Thursday, April 07, 2016 11:11 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

## Deliberative Process / Ex. 5

**From:** Siwiec, Tim  
**Sent:** Thursday, April 07, 2016 11:09 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

**Deliberative Process / Ex. 5**

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10

---

**From:** Dean, Heather  
**Sent:** Thursday, April 07, 2016 11:08 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Oh, geez,

**Deliberative Process / Ex. 5**



Thanks!

---

**From:** Siwiec, Tim  
**Sent:** Thursday, April 07, 2016 11:07 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

# Deliberative Process / Ex. 5

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Thursday, April 07, 2016 9:56 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: Info for HTL Mapping

Hey, Tim.

**Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

Thanks,

Heather

---

**From:** Siwiec, Tim

**Sent:** Tuesday, April 05, 2016 6:00 PM

**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>

**Subject:** RE: Info for HTL Mapping

I spent some time this week working on the HTL mapping project.

A few things:

# Deliberative Process / Ex. 5

# **Deliberative Process / Ex. 5**



Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Thursday, March 31, 2016 2:50 PM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** Info for HTL Mapping

Hi, Tim. Here are the photos & the spreadsheet. I noticed that the datums page for 3 of the 5 sites does not list the NAVD88 elevation, but I have not had a chance to look into that issue. I won't be in tomorrow, but will be working (offsite) on Monday & Tuesday, so we can certainly touch base before I'm back in the office.

Thanks for your help,

Heather

Message

---

**From:** Siwiec, Tim [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A10D9EF903924C49858131679612C225-SIWIEC, TIM]  
**Sent:** 11/7/2016 9:13:37 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** RE: HTL Map Revision  
**Attachments:** TidalDatumComparisonCapeDisappointment.jpg; TidalDatumComparisonNeahBay.jpg; TidalDatumComparisonPortAngeles.jpg; TidalDatumComparisonSeattle.jpg; TidalDatumComparisonTacoma.jpg; TidalDatumComparisonTulalip.jpg

Sure thing, I re-exported them out in a level of quality (175dpi) that will look readable in a JPEG file, yet less than 3MB in file size each.

**Personal Matters / Ex. 6**

so let me know early this week if you will need any more mapping work this November.

Thx!

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, November 07, 2016 12:57 PM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: HTL Map Revision

Hey, Tim.

I can't remember from when I was a more frequent GIS user & am now seeing that it doesn't seem to have migrated to my new laptop(!): Is it possible to export the beach maps to jpg's? (Jim wants to use them in a PowerPoint, & he's not liking how they look when import as pdf's.)

**Deliberative Process / Ex. 5**

Thanks,

Heather

---

**From:** Siwiec, Tim  
**Sent:** Thursday, October 20, 2016 10:21 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: HTL Map Revision

Yes,

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Thursday, October 20, 2016 10:07 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: HTL Map Revision

Thanks!

**Deliberative Process / Ex. 5**

**Deliberative Process / Ex. 5**

Thanks,

Heather

---

**From:** Siwiec, Tim  
**Sent:** Thursday, October 20, 2016 9:53 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

Here you go!

**Deliberative Process / Ex. 5**

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Wednesday, October 19, 2016 9:55 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: HTL Map Revision

Thanks!

**Deliberative Process / Ex. 5**

**Deliberative Process / Ex. 5**

Thanks again,

Heather

---

**From:** Siwiec, Tim  
**Sent:** Wednesday, October 19, 2016 8:57 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

No problem, I can get to it tomorrow so let me know if you will need any more updates by then.  
Thanks!

---

**From:** Dean, Heather  
**Sent:** Tuesday, October 18, 2016 6:54 PM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: HTL Map Revision

Awesome! Can you just do two more things:

**Deliberative Process / Ex. 5**

**Deliberative Process / Ex. 5**

Thanks!

Heather

---

**From:** Siwiec, Tim  
**Sent:** Tuesday, October 18, 2016 3:47 PM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: HTL Map Revision

Sure thing,

**Deliberative Process / Ex. 5**

They are all attached in PDF form.

---

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, October 17, 2016 4:10 PM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: HTL Map Revision

Thanks, Tim.

I noticed that I neglected to send you updated elevation charts for the maps. They are in the attached Excel file.

**Deliberative Process / Ex. 5**

Thanks again!

Heather

---

**From:** Siwiec, Tim  
**Sent:** Friday, October 07, 2016 10:50 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

Heather,

Disregard my email from yesterday (10/6/16).

# Deliberative Process / Ex. 5

Enjoy.

---

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Siwiec, Tim  
**Sent:** Thursday, October 06, 2016 4:03 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

Heather,

# Deliberative Process / Ex. 5

Thanks

---

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Siwiec, Tim  
**Sent:** Tuesday, October 04, 2016 5:28 PM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: HTL Map Revision

I will add them to the 6 maps, I should be able to tackle this on Thursday.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Monday, October 03, 2016 3:58 PM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: HTL Map Revision

Hi, Tim. Deliberative Process / Ex. 5

**Deliberative Process / Ex. 5**

I look forward to seeing how those show on the maps.

Thanks much!

Heather

---

**From:** Siwiec, Tim  
**Sent:** Wednesday, September 21, 2016 10:18 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: HTL Map Revision

Sure thing, yes, when you get all 6 send them to me and I can update them all in 1 batch.

Thx

---

**From:** Dean, Heather  
**Sent:** Wednesday, September 21, 2016 10:15 AM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** RE: HTL Map Revision

Hi, again.

# Deliberative Process / Ex. 5

I will do the calculations for the other four sites. Do you want them as I get them or all together?

Thanks so much!!

Heather

---

**From:** Siwiec, Tim  
**Sent:** Tuesday, September 20, 2016 11:30 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

## Deliberative Process / Ex. 5

Here's another view showing the elevation model.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, DERA-140 | Seattle, WA 98101  
206.553.2147

---

**From:** Dean, Heather  
**Sent:** Tuesday, September 20, 2016 11:25 AM  
**To:** Siwiec, Tim <[Siwiec.Tim@epa.gov](mailto:Siwiec.Tim@epa.gov)>  
**Subject:** RE: HTL Map Revision

Thanks! Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

# Deliberative Process / Ex. 5

**From:** Siwiec, Tim  
**Sent:** Tuesday, September 20, 2016 11:07 AM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** RE: HTL Map Revision

Heather,

I am glad to hear you have found some success with ArcMap and the GIS software.  
And yes, I can help remake these maps as need arises.

## Deliberative Process / Ex. 5

Here are two scaled versions of this map (one zoomed out and one zoomed in).

Let me know if these will work.

Tim Siwiec  
U.S. Environmental Protection Agency | Region 10  
1200 6th Avenue, Suite 900, OERA-140 | Seattle, WA 98101  
206.553.2147



**From:** Dean, Heather  
**Sent:** Thursday, September 15, 2016 2:27 PM  
**To:** Siwiec, Tim <Siwiec.Tim@epa.gov>  
**Subject:** HTL Map Revision

Hi Tim.

Thanks for the GIS demo today. Up until recently I was using GIS a lot & actually have ArcGIS. I haven't been able to use it a lot lately, but I'm excited to see where & how to get other layers!

Perhaps ironically, then, I am writing to ask if you could, for starters, do another map for us for the HTL project. Actually, this is probably the first of two more asks, the other being an updated version of the six you already did, but we have to reach agreement with the Corps as to what those are going to show before I can ask. The first request relates to that.

**Deliberative Process / Ex. 5**

## **Deliberative Process / Ex. 5**

Let me know if I've left out any key info or you have questions.

Thanks!

Heather

## **Deliberative Process / Ex. 5**

## Appointment

---

**From:** Szalay, Endre [Szalay.Endre@epa.gov]  
**Sent:** 8/11/2016 3:40:45 PM  
**To:** Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]  
**CC:** Castanon, Lisa [Castanon.Lisa@epa.gov]

**Subject:** Canceled: HTL Report  
**Location:** Cara's Office

**Start:** 8/11/2016 8:00:00 PM  
**End:** 8/11/2016 8:30:00 PM  
**Show Time As:** Free

**Importance:** High

Message

---

**From:** Szalay, Endre [Szalay.Endre@epa.gov]  
**Sent:** 6/24/2016 1:03:03 AM  
**To:** Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]  
**Subject:** FW: Heather and Susan version of HTL Master document  
**Attachments:** 6-23-Shoreline Habitat Protection Report\_draft\_MASTER-HED-SDM edits.docx

Here is the draft high tide line report

Endre Szalay  
US EPA Region 10  
Office of Regional Counsel  
206-553-1073

---

**From:** Meyer, Susan  
**Sent:** Thursday, June 23, 2016 11:57 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>; Szalay, Endre <Szalay.Endre@epa.gov>; Szerlog, Michael <Szerlog.Michael@epa.gov>; Murchie, Peter <Murchie.Peter@epa.gov>  
**Subject:** RE: Heather and Susan version of HTL Master document

Yup! And here is the document

---

**From:** Dean, Heather  
**Sent:** Thursday, June 23, 2016 11:55 AM  
**To:** Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** RE: Heather and Susan version of HTL Master document

Thanks, Susan. Did you forget to attach the document?

---

**From:** Meyer, Susan  
**Sent:** Thursday, June 23, 2016 11:50 AM  
**To:** Szalay, Endre <Szalay.Endre@epa.gov>  
**Cc:** Dean, Heather <Dean.Heather@epa.gov>; Szerlog, Michael <Szerlog.Michael@epa.gov>; Murchie, Peter <Murchie.Peter@epa.gov>  
**Subject:** Heather and Susan version of HTL Master document

Endre, Your turn. Let us know if you have questions. Heather did a great job of editing most of the document. Her edits are purple, mine are red.

Have fun!

Susan Meyer  
EPA Region 10  
Puget Sound and National Estuary Programs  
1200 6<sup>th</sup> Aveune, Suite 900  
Seattle, Washington 98101-3140  
206-553-1078  
[Meyer.susan@epa.gov](mailto:Meyer.susan@epa.gov)

Message

---

**From:** Szalay, Endre [Szalay.Endre@epa.gov]  
**Sent:** 8/8/2016 5:10:27 PM  
**To:** Castanon, Lisa [Castanon.Lisa@epa.gov]; Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]  
**Subject:** RE: HTL Report

Sure thing. I'll look for something later this week.

Endre Szalay  
US EPA Region 10  
Office of Regional Counsel  
206-553-1073

---

**From:** Castanon, Lisa  
**Sent:** Monday, August 08, 2016 9:57 AM  
**To:** Szalay, Endre <Szalay.Endre@epa.gov>; Steiner-Riley, Cara <Steiner-Riley.Cara@epa.gov>  
**Subject:** RE: HTL Report

I have a really busy day today. It would be nice to have all 3 of us meet at the same time. Can you re-schedule?

Lisa A. Castañon  
Deputy Regional Counsel  
Office of Regional Counsel  
U.S. Environmental Protection Agency, Region 10  
1200 6th Avenue, Suite 900  
Seattle, WA 98101  
206-553-0464

-----Original Appointment-----

**From:** Szalay, Endre  
**Sent:** Friday, August 05, 2016 3:29 PM  
**To:** Steiner-Riley, Cara  
**Cc:** Stern, Allyn; Castanon, Lisa  
**Subject:** HTL Report  
**When:** Monday, August 08, 2016 11:00 AM-11:30 AM (UTC-08:00) Pacific Time (US & Canada).  
**Where:** Cara's Office

This time works for Cara, but we can have a follow up meeting for Lisa (and Allyn depending on interest/bandwidth).

Message

**From:** Szalay, Endre [Szalay.Endre@epa.gov]  
**Sent:** 6/29/2015 7:53:15 PM  
**To:** Owens, Kim [Owens.Kim@epa.gov]; Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]  
**Subject:** RE: Petition from Earthjustice re High Tide Line - attorney-client communication

Thanks Kim and will do.

Endre Szalay  
US EPA Region 10  
206-553-1073

**From:** Owens, Kim  
**Sent:** Monday, June 29, 2015 12:01 PM  
**To:** Steiner-Riley, Cara; Szalay, Endre  
**Subject:** RE: Petition from Earthjustice re High Tide Line - attorney-client communication

Thanks for including me.

Attorney Client / Ex. 5

**Attorney Client / Ex. 5**

Attorney Client / Ex. 5

But do keep me posted

as the issue advances in case there is any unforeseen overlap.

**From:** Steiner-Riley, Cara  
**Sent:** Thursday, June 25, 2015 1:36 PM  
**To:** Szalay, Endre  
**Cc:** Owens, Kim  
**Subject:** RE: Petition from Earthjustice re High Tide Line - attorney-client communication

Thanks, Endre. Just including Kim because of her work on boundary issues.

**From:** Szalay, Endre  
**Sent:** Thursday, June 25, 2015 12:53 PM  
**To:** Stern, Allyn; Steiner-Riley, Cara; Szerlog, Michael; Allnutt, David; Byron, Carrie; Dean, Heather  
**Subject:** Petition from Earthjustice re High Tide Line - attorney-client communication

Hi Folks:

Attached is a petition from Earthjustice sent to Dennis on July 24, 2015, seeking a general resolution between EPA and the Corps regarding the definition of "high tide line" for purposes of establishing CWA jurisdiction under the CWA and a specific jurisdictional determination for shoreline armoring projects currently planned in the Puget Sound area. Here is a link to a Seattle Times article regarding the petition: <http://www.seattletimes.com/seattle-news/environment/conservation-groups-seek-increased-shoreline-protections-in-puget-sound/>.

I believe folks are familiar with this issue and may recall that Earthjustice submitted and we recently responded to a FOIA request related to the issue. I'm not exactly sure where this conversation is now internally.

Attorney Client / Ex. 5

**Attorney Client / Ex. 5**

# Attorney Client / Ex. 5

Just wanted to put this on people's radars and perhaps we should meet to discuss.

Thanks,

Endre M. Szalay  
Assistant Regional Counsel  
U.S. EPA, Region 10  
1200 Sixth Ave., Suite 900, ORC-158  
Seattle, WA 98101-3140  
(206) 553-1073  
[szalay.endre@epa.gov](mailto:szalay.endre@epa.gov)



Message

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**From:** Szalay, Endre [Szalay.Endre@epa.gov]  
**Sent:** 8/31/2016 10:43:00 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]; Allnutt, David [Allnutt.David@epa.gov]; Murchie, Peter [Murchie.Peter@epa.gov]  
**CC:** Meyer, Susan [meyer.susan@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]; Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]  
**Subject:** RE: Draft HTL Briefing Paper for Dennis  
**Attachments:** RA Briefing-HTL vs MHHW, endre.docx

Looks great Heather. A few edits and comments. I think a lot of the nuances will come out during discussion, so good to keep this brief as possible in my opinion.

Endre Szalay  
US EPA Region 10  
Office of Regional Counsel  
206-553-1073

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**From:** Dean, Heather  
**Sent:** Wednesday, August 31, 2016 7:52 AM  
**To:** Allnutt, David <Allnutt.David@epa.gov>; Murchie, Peter <Murchie.Peter@epa.gov>; Szalay, Endre <Szalay.Endre@epa.gov>  
**Cc:** Meyer, Susan <meyer.susan@epa.gov>; Szerlog, Michael <Szerlog.Michael@epa.gov>  
**Subject:** Draft HTL Briefing Paper for Dennis

Good morning. This briefing will be next Wednesday afternoon. To adhere to the timelines for getting it to the RA's office, please let me know if you have any edits, concerns, etc. by COB today.

Thanks!

Heather

## Appointment

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**From:** Storm, Linda [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=473A11576E9E401B98840BB1A54FBAC7-STORM, LINDA]  
**Sent:** 7/18/2015 12:57:45 AM  
**To:** Christensen, Damaris [Christensen.Damaris@epa.gov]  
**Subject:** Accepted: discussion of Earthjustice request and HTL  
**Location:** DCRoomWest7129/DC-CCW-OWOW  
**Start:** 7/23/2015 4:30:00 PM  
**End:** 7/23/2015 5:00:00 PM  
**Show Time As:** Busy



## Appointment

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**From:** Storm, Linda [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=473A11576E9E401B98840BB1A54FBAC7-STORM, LINDA]  
**Sent:** 7/16/2015 5:50:16 PM  
**To:** Christensen, Damaris [Christensen.Damaris@epa.gov]  
**Subject:** Tentative: discussion of Earthjustice request and HTL  
**Location:** DCRoomWest7201/DC-CCW-OWOW  
**Start:** 7/23/2015 3:30:00 PM  
**End:** 7/23/2015 4:00:00 PM  
**Show Time As:** Busy

## Appointment

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**From:** Storm, Linda [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=473A11576E9E401B98840BB1A54FBAC7-STORM, LINDA]  
**Sent:** 7/6/2015 9:39:39 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** Accepted: FW: Earthjustice Petition re High Tide Line  
**Location:** Endre will initiate call  
**Start:** 7/7/2015 5:00:00 PM  
**End:** 7/7/2015 5:30:00 PM  
**Show Time As:** Busy

Message

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**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 10/22/2015 6:14:29 PM  
**To:** DeGering, Tracy [DeGering.Tracy@epa.gov]; Nadeau, Tracie [Nadeau.Tracie@epa.gov]; Storm, Linda [Storm.Linda@epa.gov]  
**Subject:** Draft Q&A & Support Document for HTL  
**Attachments:** Draft Q&A.docx; Q&A Support Doc.xlsx

Hi, all. Here is a draft Q&A & supporting document that HQ asked me to prepare. Let me know if you have any issues with either document.

Message

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**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 7/27/2015 11:09:14 PM  
**To:** Storm, Linda [Storm.Linda@epa.gov]  
**Subject:** Revised HTL vs MHHW Table  
**Attachments:** HTLvSMHHW.xlsx

Here you go....

Message

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**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 1/21/2016 8:29:12 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
**CC:** Storm, Linda [Storm.Linda@epa.gov]; Thiesing, Mary [Thiesing.Mary@epa.gov]  
**Subject:** Update on High Tide Line Data  
**Attachments:** Graphic-Corps Datums (with MHW)-updated 20 Jan 16.pptx; Summary-U.S. Tide Stations-21 Jan 16.xlsx

Michael asked me to prepare a couple of graphics showing the disparities 1) between Corps Districts in identification of HTL; & 2) between HAT, highest annual tide (aka highest predicted tide, or HPT), MHHW, & where the Corps uses it, MHW. In support of those graphics, I also prepared a spreadsheet summarizing the tidal data gathered so far. Those docs are attached. Let me know if you have any questions, etc.

Message

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**From:** Byron, Carrie [Byron.Carrie@epa.gov]  
**Sent:** 6/30/2015 8:08:46 PM  
**To:** Storm, Linda [Storm.Linda@epa.gov]  
**Subject:** FW: Petition from Earthjustice re High Tide Line - attorney-client communication  
**Attachments:** Earthjustice Petition re High Tide Line and Request for JD (July 24, 2015).pdf

And here is the petition from Earthjustice and a link to some media info on the topic.

Thanks!

Carrie Byron  
Puget Sound Team  
Office of Water and Watersheds  
U.S. EPA, Region 10  
1200 Sixth Avenue, Suite 900, OWW-137  
Seattle, WA 98101-1128  
phone: 206.553.1760  
[byron.carrie@epa.gov](mailto:byron.carrie@epa.gov)

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**From:** Szalay, Endre  
**Sent:** Thursday, June 25, 2015 12:53 PM  
**To:** Stern, Allyn; Steiner-Riley, Cara; Szerlog, Michael; Allnutt, David; Byron, Carrie; Dean, Heather  
**Subject:** Petition from Earthjustice re High Tide Line - attorney-client communication

Hi Folks:

Attached is a petition from Earthjustice sent to Dennis on July 24, 2015, seeking a general resolution between EPA and the Corps regarding the definition of "high tide line" for purposes of establishing CWA jurisdiction under the CWA and a specific jurisdictional determination for shoreline armoring projects currently planned in the Puget Sound area. Here is a link to a Seattle Times article regarding the petition: <http://www.seattletimes.com/seattle-news/environment/conservation-groups-seek-increased-shoreline-protections-in-puget-sound/>.

# Attorney Client / Ex. 5

Just wanted to put this on people's radars and perhaps we should meet to discuss.

Thanks,

Endre M. Szalay  
Assistant Regional Counsel  
U.S. EPA, Region 10

1200 Sixth Ave., Suite 900, ORC-158  
Seattle, WA 98101-3140  
(206) 553-1073  
[szalay.endre@epa.gov](mailto:szalay.endre@epa.gov)





June 24, 2015

Col. John G. Buck  
District Commander  
U.S. Army Corps of Engineers  
PO Box 3755  
Seattle, WA 98124-3755

Dennis J. McLerran  
Regional Administrator  
EPA Region 10  
1200 Sixth Avenue  
MC: RA-210  
Seattle, WA 98101

PETITION FOR: (1) SPECIAL CASE DETERMINATION; AND (2) APPROVED  
JURISDICTIONAL DETERMINATION UNDER § 404 OF THE CLEAN WATER ACT

INTRODUCTION

This is a formal petition for agency action to Region 10 of the Environmental Protection Agency (“EPA”) and U.S. Army Corps of Engineers, Seattle District (“Corps”) pursuant to Clean Water Act, 33 U.S.C. § 1344, and its implementing regulations and agreements. The petitioning parties include Sound Action, Friends of the San Juans, and Washington Environmental Council (the “Requesting Parties”), which are all 501(c)(3) non-profit membership organizations dedicated to preserving and protecting Puget Sound and its imperiled wildlife and habitats.

The Requesting Parties seek a formal agency resolution of the long-running dispute over the appropriate scope of Corps jurisdiction in marine shoreline areas of Puget Sound, Washington. As discussed below, the Seattle District has adopted an impermissibly limited definition of the term “high tide line” for purposes of establishing its jurisdiction over navigable waters under § 404 of the federal Clean Water Act (“CWA”). Specifically, the Corps interprets the reach of the CWA to only extend to the Mean Higher High Water (“MHHW”) line in Puget Sound shorelines, rather than the actual regulatory high tide line, which is substantially higher. As a result, the Corps is failing to satisfy its obligation to protect waters of the United States, leading to continued habitat degradation through shoreline armoring and other activities.

In this petition, we ask the EPA to use authorities established under interagency agreement to designate marine shorelines between MHHW and true high tide as “waters of the United States”



under the CWA subject to § 404 permitting. Additionally, we ask the Corps to make formal jurisdictional determinations with respect to several specific shoreline armoring projects currently planned without federal CWA permits that will take place below high tide but above MHHW. These projects are illustrative of the many projects taking place all over Puget Sound that the Corps is failing to regulate, leading to greater damage to the values that the CWA seeks to protect, in violation of the law.<sup>1</sup>

#### THE HARM CAUSED BY SHORELINE ARMORING IN PUGET SOUND

It is well recognized that bulkheading and armoring of Puget Sound shorelines causes significant ecological degradation. Due to its adverse effects, the Puget Sound Partnership, a state agency tasked with coordinating the recovery of Puget Sound, uses armoring as one of its indicators of Puget Sound recovery.<sup>2</sup> As the Partnership explained in its 2012 Status of the Sound Report:

Armoring directly alters geologic processes that build and maintain beaches and spits. Bulkheads also impact erosion patterns on nearby beaches, alter beach substrate and hydrology, and reduce the availability of large wood. These physical changes to beaches can diminish the availability and condition of key shoreline habitats. Armoring can also directly impact organisms and ecological processes by burying or displacing upper beach habitat and altering the natural transition between terrestrial and aquatic ecosystems. Impacts of armoring differ from one coastal setting to another, but have been demonstrated both on Puget Sound and elsewhere to impact habitat for fish, birds, and invertebrates.<sup>3</sup>

Due to these negative impacts, the Puget Sound Partnership has articulated a goal of removing more shoreline armoring between 2011 and 2020 than the amount of new armoring installed

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<sup>1</sup> On November 21, 2014, we sent a letter to the Corps outlining our concerns and seeking a discussion around resolving them. No response to that letter was ever received. The letter is attached as Exh. 1 to this request.

<sup>2</sup> Puget Sound Vital Signs, *Shoreline Armoring, Is there progress? Indicators and Targets*, Puget Sound Partnership (February 26, 2014) (attached as Exh. 2).

<sup>3</sup> Puget Sound Partnership, 2012 State of the Sound: A Biennial Report on the Recovery of Puget Sound, at 69 (attached as Exh. 3); *see also* WDFW, Protecting Nearshore Habitat and Functions in Puget Sound (revised 2010) (explaining various key nearshore habitats and making recommendations for regulating common shoreline modification activities) (attached as Exh. 4); Department of Ecology, *Healthy shorelines equal a healthy Puget Sound*, February 2010, (explaining the individual and cumulative impacts of shoreline armoring and recommending “softer alternatives” to armoring) (attached as Exh. 5); Department of Ecology, *Marine Shoreline Armoring and Puget Sound*, February 2010 (explaining the negative ecological impacts of shoreline armoring and answering frequently asked questions about the process) (attached as Exh. 6).

during the same time span.<sup>4</sup> From 2005 to 2011, Puget Sound shorelines netted nearly one additional mile of armoring per year.<sup>5</sup>

In 2014, a coalition of Washington State resource management agencies developed the Marine Shoreline Design Guidelines to promote the protection of naturally-functioning shorelines based on scientific data.<sup>6</sup> According to this guidance, about one third of Puget Sound shorelines are armored, and these artificial barriers prevent important sediment, wood, and detritus transport needed for natural beach formation and erosion processes. *Id.* at 1-10 - 1-12. State agencies have further found that the loss of upper beach and introduction of an artificial barrier not only changes critical nearshore functions for humans, such as runoff drainage and recreational opportunities, but it also reduces the amount of spawning beach available for forage fish like sand lance and surf smelt, and reduces the amount of invertebrate prey available for nearshore fish to eat.<sup>7</sup> Forage fish are important prey for salmon, who themselves are prey for Southern Resident Killer Whales; Chinook salmon and orcas are listed under the federal Endangered Species Act.<sup>8</sup>

Other negative impacts of armoring include the destruction of habitat for juvenile salmon, changes in sediment and water temperatures due to loss of vegetation and reduced moisture retention on artificial structures, and reduction of habitat for shellfish and eelgrass.<sup>9</sup> The Corps and other federal agencies have long recognized the adverse effects of armoring in Puget Sound. For example, an interagency briefing memo prepared by the Corps, NOAA, and EPA recognized that “hard shoreline armoring can have a negative effect on ecological processes and can reduce the quality of nearshore habitat thus impacting ESA listed species.” Briefing Paper, Puget Sound Shoreline Armoring (*see* Exh. 14 at 1). The paper recognized that a significant percentage of the Sound is already armored, and recent data showed a net increase in new armoring of around a mile per year, despite increasing efforts to remove existing armoring. *Id.* Similarly, in a 2011 letter to the Corps regarding its Nationwide Permit program, NOAA

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<sup>4</sup> 2012 State of the Sound, *supra* note 3, at 68.

<sup>5</sup> Puget Sound Partnership, 2013 State of the Sound: A Biennial Report on the Recovery of Puget Sound, 94-95 (Oct. 15, 2013) (attached as Exh. 7).

<sup>6</sup> Washington State Aquatic Habitat Guidelines Program, Marine Shoreline Design Guidelines, 2014 (attached as Exh. 8).

<sup>7</sup> *Id.* at 1-12 - 1-13; *see also* Dan Penttila, Washington Department of Fish and Wildlife, “Marine Forage Fishes in Puget Sound” (attached as Exh. 9); Jason D. Toft et al., “Fish and Invertebrate Response to Shoreline Armoring and Restoration in Puget Sound” (attached as Exh. 10).

<sup>8</sup> *See* Washington State Recreation and Conservation Office, Salmon Species Listed Under the Federal Endangered Species Act (attached as Exh. 11); NOAA Fisheries, Killer whale (*Orcinus orca*) page (attached as Exh. 12).

<sup>9</sup> Sarah A. Morley et al., “Ecological Effects of Shoreline Armoring on Intertidal Habitats of a Puget Sound Urban Estuary,” Feb. 14, 2012 (attached as Exh. 13); Department of Ecology, “Shorelands and Environmental Assistance Program Frequently Asked Questions, Marine Shoreline Armoring and Puget Sound,” Feb. 2010 (*see* Exh. 6).

Fisheries called for more rigorous regulation of bank stabilization projects:

The continued steady and substantial loss of shoreline aquatic functions directly attributable to the ‘hardening’ of shoreline areas through the placement of fill, rock or other structures has a direct and considerable negative impact on the long-term survival and recovery of [...] listed fish populations. Marine nearshore and freshwater shallow-water habitats are critical to the health of marine, estuarine and freshwater ecosystems. Shoreline alteration is one of the greatest threats to these aquatic resources. ... Given the existing degree of alteration, even relatively small shoreline stabilization activities will add to the already extensive cumulative impacts, and further incremental degradation. The trend towards increasingly altered shorelines limits the region’s ability to restore and protect salmon populations.

Exh. 15 at 2 (emphasis added).

These concerns are also shared by the state: in 2012, the Governor of Washington and the Commissioner of Public Lands echoed NOAA’s request to the Corps that it better protect shorelines from armoring. (“Shoreline armoring is a major concern for Washington State given the long-term adverse effects which are widely documented on habitat and species listed under the federal Endangered Species Act.”) (attached as Exh. 16). The problem of shoreline armoring will likely become even more severe in the face of global sea level rise.<sup>10</sup> It is, therefore, critical that the Corps properly implement its authority to protect aquatic resources now.

#### THE CLEAN WATER ACT PROTECTS RESOURCES UP TO THE TRUE HIGH TIDE LINE

Under Section 404 of the CWA, 33 U.S.C. § 1344, it is unlawful to discharge “dredge or fill” materials in navigable waters without a permit from the U.S. Army Corps of Engineers. The CWA defines “navigable waters” as “the waters of the United States, including the territorial seas.” *Id.* § 1362 (definitions). The Corps has defined “waters of the United States” via regulation: those regulations affirm that its jurisdiction extends to the limit of the “high tide line,” 33 C.F.R. § 328.4, which is defined as follows:

The term high tide line means the line of intersection of the land with the water's surface at the maximum height reached by a rising tide. The high tide line may be determined, in the absence of actual data, by a line of oil or scum along shore objects, a more or less continuous deposit of fine shell or debris on the foreshore

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<sup>10</sup> Kirk L. Krueger, *et al.*, *Anticipated Effects of Sea Level Rise in Puget Sound on Two Beach-Spawning Fishes*, in *PUGET SOUND SHORELINES AND THE IMPACTS OF ARMORING—PROCEEDINGS OF A STATE OF THE SCIENCE WORKSHOP, MAY 2009*: U.S. GEOLOGICAL SURVEY SCIENTIFIC INVESTIGATIONS REPORT 2010-5254, 171-78 (Hugh Shipman, *et al.* eds. 2010) (attached as Exh. 17).

or berm, other physical markings or characteristics, vegetation lines, tidal gages, or other suitable means that delineate the general height reached by a rising tide. **The line encompasses spring high tides and other high tides that occur with periodic frequency but does not include storm surges in which there is a departure from the normal or predicted reach of the tide due to the piling up of water against a coast by strong winds such as those accompanying a hurricane or other intense storm.**

*Id.* § 328.3(d) (emphasis added).<sup>11</sup>

After the CWA was adopted in 1972, the Corps initially adopted a much narrower definition of its jurisdiction, essentially conflating its Rivers and Harbors Act and CWA jurisdictional reach and limiting it to the traditional test for navigability. That regulatory definition was struck down in *Natural Resources Defense Council v. Callaway*, 292 F. Supp. 685 (D.D.C. 1975). Additionally, several courts in enforcement cases found that discharges into waters above the mean high water mark were meant to be covered by the CWA. For example, in *U.S. v. Holland*, the court found that the mean high water line was not a limit to federal authority under the CWA. 373 F. Supp. 665, 676 (M.D. Fla. 1974) (“Pollutants have been introduced into the waters of the United States without a permit and the mean high water mark cannot be used to create a barrier behind which such activities can be excused.”).

In adopting its regulatory definition of high tideline in 1977, the Corps recognized that:

[m]any aquatic areas along the coast are located above the mean or mean higher high tide lines but do not fit within the definition of “wetlands” discussed above. These include sandflats, mudflats, and similar areas, that, while not covered with vegetation, are inundated with sufficient frequency and regularity to be included as part of the aquatic resource.... The term [high tide line] is intended to include areas covered by spring high tides and other high tides that occur with periodic frequency, but does not include those areas that are covered by tidal water as a result of storm surges, hurricanes, or other intense storms.

42 Fed. Reg. 37122, 37129 (July 19, 1977). The current definition of high tide, formally adopted in 1986, was not meaningfully changed from the 1977 definition.

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<sup>11</sup> Note that CWA jurisdiction is considerably more expansive than jurisdiction under the Rivers and Harbors Act, which only “extends to the line on the shore reached by the plane of the mean (average) high water.” 33 C.F.R. § 329.12(a); *see also Leslie Salt Co. v. Froehlke*, 578 F.2d 742, 754 (9th Cir. 1978) (“The district court’s holding that the Corps’ regulatory jurisdiction under the FWPCA is ‘coterminous’ with that under the Rivers and Harbors Act... is faulty... it is clear from the legislative history of the FWPCA that... Congress intended to expand the narrow definition of the term ‘navigable waters...’”).

A number of cases have applied these definitions to find unlawful discharge activities that occurred between the highest tide line and other markers like mean high water. For example, in *U.S. v. Malibu Beach*, 711 F. Supp. 1301 (D.N.J. 1989), ruling on a motion for a preliminary injunction, the Court ruled that the government was likely to succeed on its claim that defendants violated the CWA by filling in an area of dunes that could be inundated at high spring tide. The Court explicitly observed that the high spring tide was 1.6 feet higher than the mean high tide. In *U.S. v. Boccanfuso*, 882 F. 2d 666 (2<sup>nd</sup> Cir. 1989), the Court addressed a situation where fill activities took place above mean high water (the limit of RHA jurisdiction) but below “extreme high tide” (the limit of CWA jurisdiction). The Court found that even though a staff person had told the defendant no permit was necessary, the Corps would not be stopped from pursuing an enforcement action regarding defendant’s failure to obtain a permit for activities in this zone.

However, the Seattle District Corps does not apply the regulatory definition of high tide line in implementing its CWA obligations in Puget Sound. Instead, it has adopted as its definition of “high tide line” the “mean higher high water” mark. *See, e.g.*, Seattle District, Online Permit Guidebook (“Under Section 404 of the Clean Water Act, the extent of Corps jurisdiction in tidal waters extends to the high tide line. Currently, the Seattle District uses the mean higher high water mark as the geographic limits of the high tide line.”). The guidebook further defines mean higher high water (“MHHW”) as “the average higher high tide at a benchmark over a period of 20 years.”<sup>12</sup>

The difference between “true” high tide and MHHW in Puget Sound is significant. At a gentle shoreline gradient, this represents potentially hundreds of feet of shoreline that should be subject to Corps regulations but are not. The area between MHHW and true high tide is also ecologically significant. For example, the National Marine Fisheries Service (“NMFS”) uses extreme high tide, not MHHW, in defining salmonid critical habitat. *See* Endangered and Threatened Species; Designation of Critical Habitat for 12 Evolutionarily Significant Units of West Coast Salmon and Steelhead in Washington, Oregon, and Idaho, 70 Fed. Reg. 52,630-01, 52,664 (September 2, 2005) (“We believe that the area inundated by extreme high tide is an appropriate delineation of the landward extent of critical habitat because it represents a regularly occurring intertidal fringe that is recognizable (e.g., vegetation and landform changes), and contains and includes PCE elements such as large wood, rocks and boulders and aquatic vegetation.”)

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<sup>12</sup> On the west coast, there are typically two high tides in a diurnal tidal cycle. Accordingly, MHHW refers to the mean of the higher of the two high tide cycles.

## THE INTERAGENCY DISPUTE OVER THE CORPS' FAULTY APPROACH TO JURISDICTION

The subject of whether MHHW or high tide line is the appropriate limit of the Corps CWA § 404 jurisdiction has been the subject of extensive interagency discussion and disagreement. The National Marine Fisheries Service ("NMFS") has repeatedly emphasized the importance of asserting jurisdiction to the high tide line and requested action from the Corps. To date, however, no action has been taken to actually change the Corps' flawed approach.

NMFS staff produced a series of briefing papers laying out the problem and a path towards advocating that the Corps shift its approach to determining jurisdiction. For example, in an April 2, 2013 internal memo, NMFS observed that "much of the upper foreshore and perhaps all of the backshore of Puget Sound beaches are above MHHW" (attached as Exh. 18). The memo observed that "[m]ore than 1 mile of Puget Sound shoreline is newly armored each year, most without Corps permits and therefore without ESA consultation with NMFS." *Id.*; *see also id.* at 21 ("Many of these new and rebuilt bulkheads likely have adverse effects on designated salmon critical habitat, and this amount of shoreline armoring likely will continue without federal review or permitting unless the method for determining Corps jurisdiction is modified."). The memo recommended that the Seattle District use the "highest astronomical tide" ("HAT") rather than MHHW to establish the limit of its CWA jurisdiction.

NMFS also produced an "issue paper" laying out a number of concerns associated with the Corps' approach to determining its CWA jurisdictional boundaries in Puget Sound (attached as Exh. 19).<sup>13</sup> In it, NMFS explained how MHHW "is exceeded several days each month" and how the use of MHHW "results in many shoreline armoring actions in Puget Sound" being installed above MHHW, thereby avoiding compliance with the CWA and Endangered Species Act. *See id.* at 3 ("In Puget Sound, the MHHW is 1.5 to 2.5 feet below the high tide line.")

The document also produced a table laying out the difference between HAT and MHHW at a number of Puget Sound tidal stations. *Id.* at 2. The differences varied between 1.3 feet and 2.7 feet; the memo calculated that at a beach gradient of 1%, a difference of 2 feet in tidal elevation translated to 200 horizontal feet of shoreline "with functional aquatic habitat ... outside federal regulatory review." *Id.* at 1. The paper went on to explain how a substantial portion of the tidal cycle is above MHHW, and how failure to regulate such projects will "impair" recovery of nearshore critical habitat. *Id.* at 3.

In a further briefing paper, NMFS stated bluntly that the Corps should use HAT, rather than MHHW, as the limit of its jurisdiction, noting that "the intertidal area between HAT and MHHW is biologically significant for the protection and recovery of ESA listed species and is essential fish habitat for salmon and other fishes" (*see Exh. 20* at 1). The paper continued, "We are not

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<sup>13</sup> Although labeled draft, the Issue Paper was sent to the Northwest Region Commander of the Army Corps in formal correspondence.

aware of any technical or legal support for the Corps' determination of jurisdictional boundary of MHHW. Instead, this appears to be an artifact of institutional knowledge." *Id.*

The Corps' own internal documentation reveals that the Seattle District considered whether to shift its approach to determining jurisdiction, but ultimately decided to take no action. In a May 17, 2013 internal memorandum, the Seattle District recognized the dispute over the appropriate definition of high tide, observing that each of the six Pacific Coast districts interprets the issue in different ways (attached as Exh. 21). The memo laid out a set of recommendations including a multi-year decision-making process to elevate and resolve the interagency dispute.

None of these recommendations were adopted. After extensive efforts to resolve the issue at a staff level proved unsuccessful, the issue was elevated to regional agency leadership. In an April 2, 2013 letter to Col. Bruce Estok, the District Commander of the Seattle District, NMFS Regional Administrator Will Stelle asked for the Colonel's help resolving the shoreline jurisdiction issue (attached as Exh. 22). In it, Stelle observed that the result of the Corps' approach to determining jurisdiction:

is that many new projects and repairs to existing projects that directly affect the shoreline of Puget Sound are not reviewed, conditioned or permitted by your agency. The ecological effect is that extensive areas of intertidal and estuarine habitat that are important to ESA-listed salmon and multiple species of shellfish and other marine life are not adequately protected. Numerous scientific analyses have documented the important functions of these areas for both juvenile and adult salmonids, and the continuing loss of these habitats is an important limiting factor for rebuilding the productivity of the system for salmon and other trust resources.

It does not appear that the Corps ever responded to Stelle's letter. A March 16, 2015 letter from Stelle to Brigadier General John Kem, the Northwest Division Commander of the Corps, memorialized the paralyzed status of the interagency discussions (attached as Exh. 23). Even though "shoreline protection remains a priority for the [federal agencies in Puget Sound] and for the aquatic resources and habitats" subject to the agencies' trust responsibilities, the letter indicated that Gen. Kem had stated clearly that he "did not intend to change the Seattle District's approach to establishing jurisdiction." Again, it does not appear that any response to this letter was ever received.

#### EPA AUTHORITY TO DECIDE CWA § 404 JURISDICTION

It is well settled that it is the EPA, not the Corps, that has ultimate authority to determine the jurisdiction of the CWA § 404 program. In a 1979 Opinion issued to the Secretary of the Army, Attorney General Benjamin Civiletti concluded that the term "navigable waters" constitutes a "lynchpin" of the CWA, and that there could only be a single judgment as to whether and to what extent "any particular water body comes within the reach of the Federal Government's

pollution control authority.” 43 Op. Att’y Gen. 197, 201 (1979) (“*Civiletti Memorandum*”) (attached as Exh. 24). While the CWA gives the Corps authority to issue and assure compliance with § 404 permits, “it does not expressly charge [the Corps] with responsibility for deciding when a discharge of dredged or fill material into the navigable waters takes place so that the § 404 permit requirement is brought into play.” *Id.* at 201. The final administrative authority for construing the reach of the program belongs with the administrator of the EPA, the Opinion concludes. *See also* EPA Office of General Counsel, *Jurisdiction of Sections 402 and 404 of the Clean Water Act Over Discharges of Solid Waste in Wetlands*, 1980 WL 30213 (Jan. 31, 1980) (“In case of disagreement between the Administrator [of the EPA] and the Secretary [of the Army], the Administrator has the ultimate authority to determine whether a discharge of solid waste in waters of the United States requires an NPDES permit or a § 404 permit.”).

Consistent with this conclusion, the Corps and the EPA executed a Memorandum of Agreement in 1987 outlining a policy and procedures for addressing the agencies’ respective roles in determining jurisdiction under § 404. *Memorandum of Agreement Between the Department of the Army and the Environmental Protection Agency Concerning the Determination of the Section 404 Program and the Application of the Exemptions under § 404(f) of the Clean Water Act* (Jan. 19, 1989) (“1989 MOA”) (attached as Exh. 25). The 1989 MOA recognizes that while the Corps will perform the majority of jurisdictional determinations for the § 404 program, “EPA will be considered the lead agency and will make the final decision if the agencies disagree.” Under the Corps’ own regulation, an EPA determination of jurisdiction divests the Corps of authority to determine jurisdiction for itself. 33 C.F.R. § 325.9.

Under the 1989 MOA, EPA has authority to make a “final determination as to the geographic scope of the waters of the United States for purposes of § 404,” termed a “special case.” Special cases may be project specific, or generic, “where significant issues . . . are anticipated or exist” concerning the scope of jurisdiction. Thereinafter, each regional administrator is to maintain a “regional list” of special cases within each region.

As discussed further in this petition, the Corps’ failure to exercise jurisdiction over the area below high tide and above MHHW qualifies for special case treatment under the MOA. Accordingly, the undersigned organizations hereby petition EPA to make a generic special case determination for tidal waters within the areas of Puget Sound, Strait of Juan de Fuca, and Georgia Strait in Western Washington. The examples that are provided in this petition are illustrative of the need for a generic jurisdictional determination for the entire region, but are not the focus of the petition.

#### CORPS’ DUTY TO RESPOND TO REQUESTS FOR JURISDICTIONAL DETERMINATIONS

An approved jurisdictional determination (“approved JD”) is an official determination from the Corps that jurisdictional waters of the United States are either present or absent on a particular site, and identifies with precision the limits of those waters determined to be jurisdictional. 33



C.F.R. § 331.2; Regulator Guidance Letter No. 08-02 (26 June, 2008) (“2008 RGL”). The 2008 RGL lists three scenarios under which the issuance of an approved JD is mandatory: (a) when requested by the applicant, landowner, or other “affected party”<sup>14</sup>; (b) where such party contests jurisdiction; and (c) “where the Corps determines that jurisdiction *does not exist*.” (emphasis added). In other words, a requested JD is mandatory, even where the applicant, landowner, or other “affected party” does not request it, and where the Corps’ position is that jurisdiction does *not* exist. *Id.* at 2. Additionally, the Corps has discretion to issue an approved JD wherever it deems doing so “appropriate given the facts of a particular case.”

The requesting parties hereby petition the Corps to make an approved JD on each of the projects described below. An approved JD is required because it appears that the Corps will conclude that CWA jurisdiction does not exist for these projects, given its current policy of limiting jurisdiction to the MHHW mark. Moreover, a JD is “appropriate” on the facts of this case, given that the proponents of these projects are potentially subject to citizen suit enforcement for failing to obtain Corps permits that the Corps has effectively informed them that they do not need.

To the best of our knowledge, each of the examples below involves fill material above the MHHW but below the true high tide line, and in each case the proponents appear to incorrectly believe, based on the Corps’ guidance and policy statements, that the projects are not subject to Corps jurisdiction and do not require CWA permits prior to any work in waters of the United States.

1. Mason County Public Works Bank Stabilization

This project will repair rock wall bulkheads at three sections of North Shore Road along Hood Canal in Mason County, totaling about 178 feet. These repairs will require the placement of large rocks along the shore, and 34 cubic yards of rock will be placed approximately two feet below the ordinary high water mark. Large woody material and root wads will also be placed along the bulkhead, and fill will be used below the ordinary high water mark at all three sections of the road that need repairing. Mason County Public Works applied for a standard hydraulic project permit with the Washington Department of Fish and Wildlife (“WDFW”). The WDFW issued a hydraulic project approval (“HPA”) on February 9, 2015 (HPA 2015-6-70+01). Forage fish spawn at or adjacent to each of the three repair sites. The JARPA and other permitting documents for this project are attached as Exh. 26.

2. Kitsap County Public Works Beach Drive Seawall Repair

This project will replace seawalls at five sites along Beach Drive near Port Orchard in Kitsap County, totaling about 465 feet. These repairs will require the placement of woven fabric and large rocks along the shore, and will also involve “beach nourishment” (the dumping of sand

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<sup>14</sup> “Affected party” is defined in 33 C.F.R. § 331.2 for purposes of the appeal process, but not the process of requesting a JD.

from another place) as a mitigation measure.<sup>15</sup> Kitsap County Public Works applied for a standard hydraulic project permit with the WDFW. The WDFW issued a HPA on April 1, 2015 (HPA 2015-6-205+01). Forage fish spawn at all of the project sites, and Kitsap County stated in its HPA application that “[t]he project will be done during low tide and during the WDFW prescribed fish window for Sinclair Inlet.” On February 19, 2015, Kitsap County received an exemption from a Shoreline Substantial Development Permit pursuant to KCC 22.87(2)(b) and an exemption from SEPA under the emergency exemption in WAC 197-11-880. The JARPA and other permitting documents for this project are attached as Exh. 27.

3. Kitsap County Public Works Big Beef Seawall Maintenance

This project will repair a seawall along Seabeck Highway near Seabeck in Kitsap County, totaling about 110 feet. These repairs will require the placement of rocks and loose rip rap below ordinary high water mark. Kitsap County Public Works applied for a standard hydraulic project permit with the WDFW. The WDFW issued a HPA on April 29, 2015 (HPA 2015-6-279+01). Forage fish spawn in adjacent areas to the project site. The JARPA and other permitting documents for this project are attached as Exh. 28.

4. Multiple Projects on Samish Island, Skagit County

Several private landowners, represented by a single contractor, are proposing a series of significant beach armoring efforts across multiple individual property frontages on Samish Island, Skagit County. The initial proposal, at the Goodan/Pennington residence, involved over two hundred linear feet of significant armoring, including logs, crushed gravel, and rock up to eight feet high. The project was authorized by Skagit County under PL14-0517. An email from the project contractor, John Ravnik, describes how he calculated MHHW and purports to explain how the project will take place landward of that elevation. Recently, a number of additional projects along that stretch of shoreline have also been proposed by the same contractor. These adjacent projects involve rearranging existing rock armoring and, in some places adding imported rocks to add size to the armoring in response to a storm that occurred on November 29, 2014. A “geotextile fabric” will be placed between the rocks and the ground, and concrete rubble will be removed. The projects propose to use a barge to transport equipment to the area and use of an excavator to perform the work. The project applications explain and provide

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<sup>15</sup> Although the county considers beach nourishment to be a mitigation measure, the practice has multiple adverse environmental impacts, including “disturbance of species' feeding patterns; disturbance of species' nesting and breeding habitats; elevated turbidity levels; changes in near shore bathymetry and associated changes in wave action; burial of intertidal and bottom plants and animals and their habitats in the surf zone; ... increased sedimentation in areas seaward of the surf zone as the fill material redistributes to a more stable profile” and “impacts to endangered species such as sea turtles and shorebirds which use the beach as nesting areas.” *State, Territory, and Commonwealth Beach Nourishment Programs: A National Overview*, National Oceanic & Atmospheric Administration, March 2000 (attached as Exh. 30).

considerable detail for the contractor's claim that the work will be conducted landward of mean higher high water. The JARPA and other permitting documents for the Goodan/Pennington project are attached as Exh. 29a. Since most of the permitting documents for the other projects on this road are identical, a sample JARPA and accompanying materials is included as Exh. 28b. Additional documents can be provided on request.

## PROPER CORPS JURISDICTION WILL PROTECT CWA, ESA, AND TRUST RESOURCES

If the Corps revises its approach to determining jurisdiction, as required by the CWA, to include projects involving fill up to the true high tide line, better protection for Puget Sound and its imperiled resources and wildlife will result. In one of its internal briefing memos, NMFS explained why constructing bulkheads without oversight by the Corps harms resources in Puget Sound:

By not extending jurisdiction above MHHW, the Corps allows unpermitted structures, e.g., bulkheads, to be constructed without Corps oversight within waters of the United States. Constructing or reconstructing bulkheads or other structures between MHHW and HAT reduces the productivity of the nearshore environment, results in adverse effects on beach processes, reduces or removes riparian vegetation and fish-prey input to the nearshore, eliminates upper intertidal vegetation such as pickleweed, and increases predation risk for migrating and rearing juvenile salmonids by removing shallow areas of upper-intertidal. In addition, long-term adverse effects of substrate coarsening in front of bulkheads at higher intertidal sites are also likely to degrade and remove important spawning habitats for forage fishes. Surf smelt have been documented spawning above MHHW. Also, ESA-listed salmon emigrate particularly during spring tides in March through July and inhabit the inundated beaches above MHHW during emigration. Recovery of nearshore salmon habitats will be impaired by not extending Corps jurisdiction above MHHW.

*See* Exh. 20 at 6. There are several reasons why expanding jurisdiction will increase the protection of Puget Sound and its resources.

First, the Corps is required by the CWA to review applications for § 404 permits to ensure that they are consistent with the Act and its implementing regulations. *See, e.g.*, 40 C.F.R. pt. 230 (404(b) guidelines); 33 C.F.R. pt. 323. Since the purpose of the CWA is to restore the integrity of the nation's waters, and to protect and recover beneficial uses—which include salmonid spawning and rearing in Puget Sound—this review gives the Corps oversight to ensure that the cumulative effects of extensive new and replaced bank armoring are consistent with the Act. As the § 404(b) guidelines state:

Fundamental to these Guidelines is the precept that dredged or fill material should not be discharged into the aquatic ecosystem, unless it can be demonstrated that

such a discharge will not have an unacceptable adverse impact either individually or in combination with known and/or probable impacts of other activities affecting the ecosystems of concern.... [T]he degradation or destruction of special aquatic sites, such as filling operations in wetlands, is considered to be among the most severe environmental impacts covered by these Guidelines. The guiding principle should be that degradation or destruction of special sites may represent an irreversible loss of valuable aquatic resources.

40 C.F.R. § 230.1(c), (d). Corps regulations further call for an extensive review of whether requested Army permits serve the public interest, a review that explicitly includes “cumulative impacts.” 33 C.F.R. § 320.4(a). The review gives the Corps discretion to balance a wide number of factors, including the relative need for the project and its benefits, against the impacts to CWA resources. *Id.* The guidelines also call for a determination of whether activities affecting coastal zones are consistent with approved coastal zone management programs. *Id.* 320(h). The Corps’ CWA review over projects that fall between MHHW and true high tide should result in less shoreline armoring in Puget Sound, and better mitigation for projects that cannot be avoided.

Second, the Corps’ permitting process is subject to NEPA, which includes, in part, a duty to examine alternatives to the proposed action. 33 C.F.R. § 230. In many cases, “hard” armoring of shorelines can be avoided or significantly reduced by reliance on more environmentally responsible practices. As the WDFW has observed, “[i]n reality, hard armor is typically not necessary to slow erosion throughout much of the sheltered shores of Puget Sound. Yet the extensive application of armor as a ‘one size fits all’ solution has resulted in widespread impacts to nearshore processes.” Marine Shorelines Design Guidance, *supra* note 8, at xxv. Other alternatives could include more robust mitigation for new armoring that cannot be avoided, in order to achieve the goal of a net reduction in the amount of armoring and increase in functional habitat in Puget Sound.

Third, issuances of CWA permits by the Corps are federal actions subject to the interagency consultation provisions of the Endangered Species Act (“ESA”), 16 U.S.C. § 1536(a)(2). Accordingly, the Corps will have to ensure that shoreline armoring permits do not jeopardize listed species like salmon, or adversely modify their critical habitat. Indeed, recognizing that shoreline areas merit special attention and protection, the designated critical habitat for Puget Sound Chinook and other ESUs explicitly includes areas that are “inundated by extreme high tide.” 70 Fed. Reg. 52637 (Sept. 2, 2005). NMFS has recognized that the Corps’ truncated view of its jurisdiction means that it “does not provide NMFS with an opportunity to review a large number of shoreline armoring actions under” § 7(a)(2) of the ESA. *See* Exh. 19 at 3.

We recognize that the Corps has workload concerns about expanding its jurisdiction in a way that would include more projects. While these do not absolve the agency from complying with the CWA, there are ways in which those concerns could be managed. First, given the rigors of requiring projects to go through full CWA and ESA review, many applicants may simply opt to

avoid armoring in the first place. For projects that do go forward, the Nationwide Permit Program offers streamlined permitting for projects with insignificant effects. 77 Fed. Reg. 10184 (Feb. 21, 2014). NWP 13 addresses certain bank stabilization measures. NWP 3 deals with rehabilitation or repair of certain previously authorized and currently serviceable structures.

Of course, there should be significant limits on the use of NWPs to engage in bank stabilization measures in Puget Sound because of the significant effects. 33 C.F.R. § 330.2 (NWPs for actions with “minimal” effects). This is recognized by the Corps itself, which limits the use of new bank stabilization with certain portions of Puget Sound. Seattle District, 2012 Nationwide Permits Final Regional Condition #3 (March 19, 2012) (attached as Exh. 31). It also requires extensive information for any new or maintenance bank stabilization, including a demonstration that the proposed project “incorporates the least environmentally damaging practicable bank protection methods.” *Id.* at Condition #4. EPA and NOAA, among others, have advocated for extending this restriction to all areas of Puget Sound, not just the urbanized areas around Seattle. *See* Exh. 14 at 2 (EPA and NOAA “have proposed that the Corps further restrict the use of nationwide permits for new bank stabilization projects in Puget Sound.”) Moreover, use of streamlined NWP procedures does not absolve the Corps from complying with the ESA, 77 Fed. Reg. at 10283 (National General Condition 18), and other laws like the Magnuson-Stevens Fishery Management and Conservation Act. *See* Regional Conditions, at 3 (activity cannot be authorized under NWP “until essential fish habitat requirements have been met by the applicant and the Corps”).

That said, however, we believe that CWA, along with programmatic consultation procedures under the ESA, gives the Corps sufficient flexibility to authorize certain categories of actions without significantly expanding the agency’s workload. For example, in cooperation with NOAA, the Corps could define new regional general conditions that would allow repairs of existing structures that improve baseline conditions, or authorize certain soft-armoring approaches where needed, with appropriate mitigation (e.g., removal of other existing bank armoring). It appears that other agencies would welcome this conversation. *See* Exh. 14 at 2. (EPA and NOAA “would like to explore ways in which [Corps] permits can require that applicants undertake effective in-kind mitigation for impacts their projects may cause.”)

Until these projects fall under the Corps’ jurisdiction, however, the Corps and NOAA will simply not have the opportunity to review these projects for compliance with CWA and ESA, thereby allowing continued degradation of habitat in Puget Sound and the likely continued slide of imperiled species like salmon towards extirpation. Expanding jurisdiction to comply with the CWA will also better position the Corps to meet its obligations under federal treaties. *See* Exh. 20 at 6. (“NMFS believes the Corps could better meet their tribal trust responsibilities by recognizing jurisdiction for federal permitting that is based on tidal elevations that provide a greater level of ecological integrity and function than using MHHW.”)

## CONCLUSION

The Army Corps' failure to exercise jurisdiction to the true high tide line violates the CWA, reduces protection for important ecological and trust resources, and subjects landowners to the risk of CWA citizen suits. Several years of interagency discussions have failed to result in any change to the Corps' position. Accordingly, we ask EPA to utilize its authorities, consistent with its past statements, to define CWA § 404 jurisdiction in Western Washington up to the true high tide line. Additionally, we ask the Corps to make formal determinations with respect to the above listed projects. We believe that all these projects should be within the Corps' jurisdiction and the Corps should so find via an approved JD. However, if the Corps wishes to defend its continued position, it should formally find that such projects are not within its jurisdiction.

Sincerely,

Jan Hasselman  
Anna Sewell

On behalf of Sound Action, Friends of the San  
Juans and Washington Environmental Council

## Appointment

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**From:** Storm, Linda [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=473A11576E9E401B98840BB1A54FBAC7-STORM, LINDA]  
**Sent:** 7/16/2015 5:50:16 PM  
**To:** Christensen, Damaris [Christensen.Damaris@epa.gov]  
**Subject:** Tentative: discussion of Earthjustice request and HTL  
**Location:** DCRoomWest7201/DC-CCW-OWOW  
**Start:** 7/23/2015 3:30:00 PM  
**End:** 7/23/2015 4:00:00 PM  
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## Appointment

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**From:** Storm, Linda [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=473A11576E9E401B98840BB1A54FBAC7-STORM, LINDA]  
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**To:** Christensen, Damaris [Christensen.Damaris@epa.gov]  
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**Start:** 7/23/2015 4:30:00 PM  
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## Appointment

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**From:** Storm, Linda [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=473A11576E9E401B98840BB1A54FBAC7-STORM, LINDA]  
**Sent:** 7/6/2015 9:39:39 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** Accepted: FW: Earthjustice Petition re High Tide Line  
**Location:** Endre will initiate call  
**Start:** 7/7/2015 5:00:00 PM  
**End:** 7/7/2015 5:30:00 PM  
**Show Time As:** Busy

## Appointment

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**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 3/23/2016 3:33:44 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** Declined: HTL Meeting-Room for EPA Staff  
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**Start:** 3/23/2016 4:00:00 PM  
**End:** 3/23/2016 6:00:00 PM  
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## Appointment

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**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 3/23/2016 3:08:09 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]  
**Subject:** Tentative: Final HTL field day meeting set  
**Location:** TBD  
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**End:** 6/1/2016 7:00:00 AM  
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## Appointment

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**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 3/21/2016 2:40:48 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]  
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**Show Time As:** Busy

## Appointment

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**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 4/7/2016 3:45:31 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]  
**Subject:** Tentative: Hold for practice HTL field exercise until I nail down which day works for Phill Dionne  
**Location:** out and about  
  
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**End:** 5/11/2016  
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## Appointment

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**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 4/8/2016 8:17:18 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]  
**Subject:** Accepted: Practice field HTL in Seattle and Tacoma  
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## Appointment

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**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 1/26/2016 10:38:59 PM  
**To:** Szerlog, Michael [Szerlog.Michael@epa.gov]  
**Subject:** Accepted: Conference Room for the High Tide Line - Puget Sound - Conference Call  
**Location:** R10Sea-Room-20Cedar/R10-Rooms-Service-Center  
**Start:** 1/27/2016 5:00:00 PM  
**End:** 1/27/2016 7:00:00 PM  
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## Appointment

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**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 3/9/2016 6:21:48 PM  
**To:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Subject:** Accepted: HOLD HTL Field Trip with Workgroup  
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**Show Time As:** Busy



## Appointment

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**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 1/20/2016 8:48:33 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]  
**Subject:** Accepted: Discussion on HTL/shoreline protection prior to 1/27 Corps phone call  
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**Start:** 1/26/2016 10:00:00 PM  
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## Appointment

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**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 11/16/2015 5:01:51 PM  
**To:** Szerlog, Michael [Szerlog.Michael@epa.gov]  
**Subject:** Accepted: Discuss High Tide Line as related to Treaty Rights at Risk meeting in DC  
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**Start:** 11/17/2015 4:00:00 PM  
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**Show Time As:** Busy

## Appointment

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**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 6/24/2016 3:18:52 PM  
**To:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Subject:** Accepted: HTL EPA Team Huddle  
**Location:** Peter's Office - can call folks as needed  
**Start:** 6/24/2016 7:30:00 PM  
**End:** 6/24/2016 8:00:00 PM  
**Show Time As:** Busy

## Appointment

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**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
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## Appointment

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**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
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**To:** Murchie, Peter [Murchie.Peter@epa.gov]  
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## Appointment

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**From:** Meyer, Susan [meyer.susan@epa.gov]  
**Sent:** 1/20/2016 8:29:11 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]; Murchie, Peter [Murchie.Peter@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]; Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** Discussion on HTL/shoreline protection prior to 1/27 Corps phone call  
**Location:** R10Sea-Room-19Orca/R10-Rooms-Service-Center  
**Start:** 1/26/2016 10:00:00 PM  
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**Show Time As:** Busy

## Appointment

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**From:** Meyer, Susan [meyer.susan@epa.gov]  
**Sent:** 3/22/2016 6:31:06 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]; Jacobson, James R NWS [James.R.Jacobson@usace.army.mil]; Dean, Heather [Dean.Heather@epa.gov]; Juckniess, Craig M NWS [Craig.M.Juckniess@usace.army.mil]; Tong, Kristina G NWS [Kristina.G.Tong@usace.army.mil]; Key, Kathryn E NWS [Kathryn.E.Key@usace.army.mil]; Morris, Frances NWS [Frances.Morris@usace.army.mil]; Murchie, Peter [Murchie.Peter@epa.gov]; Perry, Randel J NWS [Randel.J.Perry@usace.army.mil]; Ryan Couch [ryan.couch@noaa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]; Walker, Michelle NWS [Michelle.Walker@usace.army.mil]; Dionne, Phillip E (DFW) [Phillip.Dionne@dfw.wa.gov]; matthew.longenbaugh@noaa.gov  
**Subject:** Final HTL field day meeting set  
**Location:** TBD  
**Start:** 5/31/2016 7:00:00 AM  
**End:** 6/1/2016 7:00:00 AM  
**Show Time As:** Free

## Appointment

---

**From:** Castanon, Lisa [Castanon.Lisa@epa.gov]  
**Sent:** 8/9/2016 6:30:03 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]

**Subject:** Accepted: HTL Report  
**Location:** Cara's Office

**Start:** 8/11/2016 8:00:00 PM  
**End:** 8/11/2016 8:30:00 PM  
**Show Time As:** Busy



## Appointment

---

**From:** Castanon, Lisa [Castanon.Lisa@epa.gov]  
**Sent:** 8/11/2016 2:40:36 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]

**Subject:** Declined: HTL Report  
**Location:** Cara's Office

**Start:** 8/11/2016 8:00:00 PM  
**End:** 8/11/2016 8:30:00 PM

**Recurrence:** (none)

## Appointment

---

**From:** Szerlog, Michael [Szerlog.Michael@epa.gov]  
**Sent:** 10/28/2015 4:34:31 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]; David Gesl [David.W.Gesl@usace.army.mil]; Hoffman, Mary J NWD [Mary.J.Hoffman@usace.army.mil]; DeRosa, Jason HQ @ NWD [Jason.R.DeRosa@usace.army.mil]  
**CC:** Nelson, Siri C NWS [Siri.C.Nelson@usace.army.mil]  
**Subject:** Canceled: High Tide Line Discussion  
**Location:** Teleconference and Adobe Connect  
**Start:** 10/20/2015 8:00:00 PM  
**End:** 10/20/2015 9:00:00 PM  
**Show Time As:** Free  
**Importance:** High  
**Recurrence:** Weekly  
every 2 week(s) on Tuesday from 1:00 PM to 2:00 PM

## Appointment

---

**From:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Sent:** 4/17/2016 3:08:50 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]; Dean, Heather [Dean.Heather@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** Canceled: HOLD HTL Field Trip with Workgroup  
**Location:** TBD  
  
**Start:** 4/20/2016 7:00:00 AM  
**End:** 4/21/2016 7:00:00 AM  
**Show Time As:** Free  
  
**Importance:** High

## Appointment

---

**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 9/21/2016 4:08:14 PM  
**To:** Szerlog, Michael [Szerlog.Michael@epa.gov]  
**Subject:** Declined: High Tide Line - reserving room for today's call with Corps - Seattle District  
**Location:** R10Sea-Room-20Chinook/R10-Rooms-Service-Center  
**Start:** 9/21/2016 4:00:00 PM  
**End:** 9/21/2016 5:30:00 PM  
**Show Time As:** Busy

## Appointment

---

**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 8/5/2016 10:29:00 PM  
**To:** Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]  
**CC:** Stern, Allyn [Stern.Allyn@epa.gov]; Castanon, Lisa [Castanon.Lisa@epa.gov]  
**Subject:** HTL Report  
**Location:** Cara's Office  
  
**Start:** 8/8/2016 6:00:00 PM  
**End:** 8/8/2016 6:30:00 PM  
**Show Time As:** Tentative

## Appointment

---

**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 8/8/2016 6:35:45 PM  
**CC:** Stern, Allyn [Stern.Allyn@epa.gov]  
**Subject:** Canceled: HTL Report  
**Location:** Cara's Office  
**Start:** 8/11/2016 6:30:00 PM  
**End:** 8/11/2016 7:00:00 PM  
**Show Time As:** Free  
**Importance:** High

## Appointment

---

**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 8/8/2016 6:35:46 PM  
**To:** Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]  
**CC:** Castanon, Lisa [Castanon.Lisa@epa.gov]  
  
**Subject:** HTL Report  
**Location:** Cara's Office  
  
**Start:** 8/11/2016 6:30:00 PM  
**End:** 8/11/2016 7:00:00 PM  
**Show Time As:** Tentative

## Appointment

---

**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 8/8/2016 7:35:11 PM  
**To:** Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]  
**CC:** Castanon, Lisa [Castanon.Lisa@epa.gov]  
  
**Subject:** HTL Report  
**Location:** Cara's Office  
  
**Start:** 8/11/2016 8:00:00 PM  
**End:** 8/11/2016 8:30:00 PM  
**Show Time As:** Tentative



## Appointment

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 7/1/2015 6:32:29 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
  
**Subject:** Accepted: Earthjustice Petition re High Tide Line  
**Location:** Endre will initiate call  
  
**Start:** 7/7/2015 5:00:00 PM  
**End:** 7/7/2015 5:30:00 PM  
**Show Time As:** Busy

## Appointment

---

**From:** Microsoft Outlook [MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@usepa.onmicrosoft.com]  
**Sent:** 7/6/2015 8:55:46 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
  
**Subject:** Meeting Forward Notification: Earthjustice Petition re High Tide Line  
**Location:** Endre will initiate call  
  
**Start:** 7/7/2015 5:00:00 PM  
**End:** 7/7/2015 5:30:00 PM  
  
**Recurrence:** (none)

## Appointment

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 7/6/2015 8:55:45 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
  
**Subject:** FW: Earthjustice Petition re High Tide Line  
**Location:** Endre will initiate call  
  
**Start:** 7/7/2015 5:00:00 PM  
**End:** 7/7/2015 5:30:00 PM  
**Show Time As:** Tentative

## Appointment

---

**From:** Microsoft Outlook [MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@usepa.onmicrosoft.com]  
**Sent:** 7/6/2015 9:37:48 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]

**Subject:** Meeting Forward Notification: Earthjustice Petition re High Tide Line  
**Location:** Endre will initiate call

**Start:** 7/7/2015 5:00:00 PM  
**End:** 7/7/2015 5:30:00 PM

**Recurrence:** (none)

## Appointment

---

**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 10/13/2015 10:47:32 PM  
**To:** Szerlog, Michael [Szerlog.Michael@epa.gov]  
**Subject:** Accepted: High Tide Line Discussion  
**Location:** Teleconfernce and Adobe Connect  
**Start:** 10/20/2015 8:00:00 PM  
**End:** 10/20/2015 9:00:00 PM  
**Show Time As:** Busy

## Appointment

---

**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 7/15/2015 11:35:33 PM  
**To:** Christensen, Damaris [Christensen.Damaris@epa.gov]  
**Subject:** Accepted: discussion of Earthjustice request and HTL  
**Location:** DCRoomWest7201/DC-CCW-OWOW  
**Start:** 7/23/2015 3:30:00 PM  
**End:** 7/23/2015 4:00:00 PM  
**Show Time As:** Busy

## Appointment

---

**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 7/20/2015 5:11:39 PM  
**To:** Christensen, Damaris [Christensen.Damaris@epa.gov]  
**Subject:** Accepted: discussion of Earthjustice request and HTL  
**Location:** DCRoomWest7129/DC-CCW-OWOW  
**Start:** 7/23/2015 4:30:00 PM  
**End:** 7/23/2015 5:00:00 PM  
**Show Time As:** Busy

## Appointment

---

**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 9/24/2015 7:09:53 PM  
**To:** Szerlog, Michael [Szerlog.Michael@epa.gov]  
**Subject:** Accepted: High Tide Line Discussion  
**Location:** Teleconfernce and Adobe Connect  
**Start:** 10/1/2015 4:00:00 PM  
**End:** 10/1/2015 5:00:00 PM  
**Show Time As:** Busy



## Appointment

---

**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 9/17/2015 10:51:31 PM  
**To:** Szerlog, Michael [Szerlog.Michael@epa.gov]  
**Subject:** Accepted: High Tide Line Discussion  
**Location:** Teleconfernce and Adobe Connect  
**Start:** 9/24/2015 9:00:00 PM  
**End:** 9/24/2015 10:00:00 PM  
**Show Time As:** Busy

## Appointment

---

**From:** Meyer, Susan [meyer.susan@epa.gov]  
**Sent:** 1/20/2016 8:29:11 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]; Murchie, Peter [Murchie.Peter@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]; Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** Discussion on HTL/shoreline protection prior to 1/27 Corps phone call  
**Attachments:** Corps HTL action plan.docx  
**Location:** R10Sea-Room-19Orca/R10-Rooms-Service-Center  
  
**Start:** 1/26/2016 10:00:00 PM  
**End:** 1/26/2016 11:00:00 PM  
**Show Time As:** Busy

Please review the attached document prior to the meeting on Tues.

### Draft Agenda

- Discuss the Corps' draft action plan (attached)
- How do we introduce science and Heather's background work into the draft action plan?
- Talk about our approach for the 1/27/16 phone meeting

Thanks! Let me know if you have anything to add or change!



Corps HTL action  
plan.docx

Susan

## Appointment

---

**From:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Sent:** 3/9/2016 5:33:45 PM  
**To:** Murchie, Peter [Murchie.Peter@epa.gov]; Meyer, Susan [meyer.susan@epa.gov]; Dean, Heather [Dean.Heather@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** Canceled: HOLD HTL Field Trip with Workgroup  
**Location:** TBD  
  
**Start:** 4/20/2016 7:00:00 AM  
**End:** 4/21/2016 7:00:00 AM  
**Show Time As:** Free  
  
**Importance:** High

## Appointment

---

**From:** Szerlog, Michael [Szerlog.Michael@epa.gov]  
**Sent:** 1/26/2016 10:26:31 PM  
**To:** Szerlog, Michael [Szerlog.Michael@epa.gov]; Dean, Heather [Dean.Heather@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]; Murchie, Peter [Murchie.Peter@epa.gov]; Meyer, Susan [meyer.susan@epa.gov]

**Subject:** Conference Room for the High Tide Line - Puget Sound - Conference Call  
**Location:** R10Sea-Room-20Cedar/R10-Rooms-Service-Center

**Start:** 1/27/2016 5:00:00 PM  
**End:** 1/27/2016 7:00:00 PM  
**Show Time As:** Busy

**Recurrence:** Weekly  
every 2 week(s) on Wednesday from 9:00 AM to 11:00 AM

## Appointment

---

**From:** Castanon, Lisa [Castanon.Lisa@epa.gov]  
**Sent:** 8/11/2016 2:40:36 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]

**Subject:** Declined: HTL Report  
**Location:** Cara's Office

**Start:** 8/11/2016 8:00:00 PM  
**End:** 8/11/2016 8:30:00 PM

**Recurrence:** (none)

Sorry! I need to re-schedule. I did read the report - good stuff and I'd like to hear more about it.

Message

---

**From:** Szerlog, Michael [Szerlog.Michael@epa.gov]  
**Sent:** 6/29/2016 5:50:59 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** RE: HTL

I am available by phone from 7am to 10:30 am and then again from 2pm to 4pm. I am also in on Friday.

Thanks

*Michael J. Szerlog*, Manager

Aquatic Resources Unit  
Office of Environmental Review and Assessment  
Environmental Protection Agency  
1200 Sixth Avenue, Suite 900, Mailstop OERA-202-2  
Seattle, Washington 98101  
(206) 553-0279  
[szerlog.michael@epa.gov](mailto:szerlog.michael@epa.gov)



---

**From:** Dean, Heather  
**Sent:** Wednesday, June 29, 2016 10:48 AM  
**To:** Szalay, Endre <[Szalay.Endre@epa.gov](mailto:Szalay.Endre@epa.gov)>; Szerlog, Michael <[Szerlog.Michael@epa.gov](mailto:Szerlog.Michael@epa.gov)>  
**Subject:** RE: HTL

I could talk by phone.

---

**From:** Szalay, Endre  
**Sent:** Wednesday, June 29, 2016 10:47 AM  
**To:** Szerlog, Michael <[Szerlog.Michael@epa.gov](mailto:Szerlog.Michael@epa.gov)>; Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** HTL

How about meeting tomorrow at 1:30?

Endre M. Szalay  
Assistant Regional Counsel  
U.S. EPA, Region 10  
1200 Sixth Ave., Suite 900, ORC-113  
Seattle, WA 98101-3140  
(206) 553-1073  
[szalay.endre@epa.gov](mailto:szalay.endre@epa.gov)





Message

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 6/29/2016 5:47:24 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]  
**Subject:** RE: HTL

I'm planning on heading out of here at 11:30ish tomorrow.

---

**From:** Szalay, Endre  
**Sent:** Wednesday, June 29, 2016 10:47 AM  
**To:** Szerlog, Michael <Szerlog.Michael@epa.gov>; Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** HTL

How about meeting tomorrow at 1:30?

Endre M. Szalay  
Assistant Regional Counsel  
U.S. EPA, Region 10  
1200 Sixth Ave., Suite 900, ORC-113  
Seattle, WA 98101-3140  
(206) 553-1073  
[szalay.endre@epa.gov](mailto:szalay.endre@epa.gov)





Message

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 6/29/2016 3:41:57 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]  
**Subject:** HTL Meeting-Room for EPA Staff

We've got Cedar (20<sup>th</sup> floor, south side) reserved.

Message

---

**From:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Sent:** 6/1/2016 10:20:46 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]  
**CC:** Dean, Heather [Dean.Heather@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** RE: HTL meeting - action items for Peter

Thank you, including Michael and Endre.

Peter

---

**From:** Meyer, Susan  
**Sent:** Wednesday, June 01, 2016 1:53 PM  
**To:** Murchie, Peter <Murchie.Peter@epa.gov>  
**Cc:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** HTL meeting - action items for Peter

Hi Peter, I thought you might want to know what was discussed at the remainder of the meeting this morning.

I can't remember when exactly you left, so I'll start with:

# Deliberative Process / Ex. 5

Heather did I miss anything?

Thanks!

Susan Meyer  
EPA Region 10  
Puget Sound and National Estuary Programs  
1200 6<sup>th</sup> Avenue, Suite 900  
Seattle, Washington 98101-3140  
206-553-1078  
[Meyer.susan@epa.gov](mailto:Meyer.susan@epa.gov)

Message

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 6/13/2016 4:28:40 PM  
**To:** Szerlog, Michael [Szerlog.Michael@epa.gov]; Meyer, Susan [meyer.susan@epa.gov]; Murchie, Peter [Murchie.Peter@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** RE: HTL - face to face on Wed?

I'll confirm with Jim.

---

**From:** Szerlog, Michael  
**Sent:** Monday, June 13, 2016 8:32 AM  
**To:** Meyer, Susan <meyer.susan@epa.gov>; Dean, Heather <Dean.Heather@epa.gov>; Murchie, Peter <Murchie.Peter@epa.gov>; Szalay, Endre <Szalay.Endre@epa.gov>  
**Subject:** HTL - face to face on Wed?

Morning,

Just checking in to see if this meeting is still on and if anyone reserved a car? We need to figure that out today ASAP.

Thanks

*Michael J. Szerlog*, Manager

Aquatic Resources Unit  
Office of Environmental Review and Assessment  
Environmental Protection Agency  
1200 Sixth Avenue, Suite 900, Mailstop OERA-202-2  
Seattle, Washington 98101  
(206) 553-0279  
[szerlog.michael@epa.gov](mailto:szerlog.michael@epa.gov)



Message

---

**From:** Szerlog, Michael [Szerlog.Michael@epa.gov]  
**Sent:** 6/24/2016 3:40:29 PM  
**To:** Murchie, Peter [Murchie.Peter@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]; Dean, Heather [Dean.Heather@epa.gov]; Meyer, Susan [meyer.susan@epa.gov]  
**Subject:** RE: HTL EPA Team Huddle  
**Attachments:** ATT79555

All, If it helps, I can be available up to 3:30. Just needed to block of time to complete some tasks.

Thanks

*Michael J. Szerlog*, Manager

Aquatic Resources Unit  
Office of Environmental Review and Assessment  
Environmental Protection Agency  
1200 Sixth Avenue, Suite 900, Mailstop OERA-202-2  
Seattle, Washington 98101  
(206) 553-0279  
szerlog.michael@epa.gov



---

**From:** Murchie, Peter  
**Sent:** Friday, June 24, 2016 8:19 AM  
**To:** Szalay, Endre <Szalay.Endre@epa.gov>; Szerlog, Michael <Szerlog.Michael@epa.gov>; Dean, Heather <Dean.Heather@epa.gov>; Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** RE: HTL EPA Team Huddle

OK I moved it back to 12:30 – Michael is not available after 1pm.

P

---

**From:** Szalay, Endre  
**Sent:** Friday, June 24, 2016 8:17 AM  
**To:** Murchie, Peter <Murchie.Peter@epa.gov>; Szerlog, Michael <Szerlog.Michael@epa.gov>; Dean, Heather <Dean.Heather@epa.gov>; Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** RE: HTL EPA Team Huddle

I have a last minute call from 10-11 that I need to be on in order to prep for tribal consultation meetings next week. Apologies for the short notice. I'm free any time after that and will be working on my review of the report, which I likely won't be finished with until the end of the day (sooner if possible, but not later than COB today).

Endre Szalay  
US EPA Region 10  
Office of Regional Counsel  
206-553-1073

-----Original Appointment-----

**From:** Murchie, Peter

**Sent:** Wednesday, June 22, 2016 6:54 AM

**To:** Murchie, Peter; Szerlog, Michael; Dean, Heather; Meyer, Susan; Szalay, Endre

**Subject:** HTL EPA Team Huddle

**When:** Friday, June 24, 2016 10:30 AM-11:00 AM (UTC-08:00) Pacific Time (US & Canada).

**Where:** Peter's Office - can call folks as needed

Message

---

**From:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Sent:** 6/24/2016 3:32:18 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** RE: HTL EPA Team Huddle

De nada senor

-----Original Appointment-----

**From:** Szalay, Endre  
**Sent:** Friday, June 24, 2016 8:19 AM  
**To:** Murchie, Peter  
**Subject:** Accepted: HTL EPA Team Huddle  
**When:** Friday, June 24, 2016 12:30 PM-1:00 PM (UTC-08:00) Pacific Time (US & Canada).  
**Where:** Peter's Office - can call folks as needed

Gracias!

Message

---

**From:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Sent:** 5/27/2016 3:28:53 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]; Meyer, Susan [meyer.susan@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]  
**CC:** Allnutt, David [Allnutt.David@epa.gov]  
**Subject:** RE: Data Availability for High Tide Line Options

Great thank you Heather  
peter

---

**From:** Dean, Heather  
**Sent:** Thursday, May 26, 2016 5:36 PM  
**To:** Meyer, Susan <meyer.susan@epa.gov>; Murchie, Peter <Murchie.Peter@epa.gov>; Szalay, Endre <Szalay.Endre@epa.gov>; Szerlog, Michael <Szerlog.Michael@epa.gov>  
**Cc:** Allnutt, David <Allnutt.David@epa.gov>  
**Subject:** Data Availability for High Tide Line Options

Happy Long Weekend Eve!

# Deliberative Process / Ex. 5

If you have any questions on Friday, please call, rather than e-mailing. (I'll be off, but am happy to answer any questions.)

If not, see you Tuesday!

Heather

Message

---

**From:** Szerlog, Michael [Szerlog.Michael@epa.gov]  
**Sent:** 2/24/2016 11:37:29 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** Automatic reply: High Tide Line Discussion

I will be out of the office on Thursday, February 25th. Tracy DeGering will be acting for me and can be reached at 208-378-5756.

I will be back in the office on Friday, February 26th.



Message

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 3/23/2016 6:22:00 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
**CC:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** Dean, Heather has shared 'HTL Matrix for WA Workgroup-revised 21 Mar 16'

Here's the document that Dean, Heather shared with you.

Open HTL Matrix for WA Workgroup-revised 21 Mar 16.docx

See more related to Dean, Heather in Delve.

Message

---

**From:** Meyer, Susan [meyer.susan@epa.gov]  
**Sent:** 3/21/2016 2:40:52 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** Automatic reply: Hold for all day HTL field visits

I will be out of the office at all day meetings Mon. 3/21 and Tues. 3/22. I will respond to your message upon my return on Wed. morning.

Message

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 10/20/2015 6:41:39 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** FW: Info on HTL  
**Attachments:** What is the HTL.docx; HTLvsMHHW.xlsx

Here's some info Michael requested me to have ready to share today, if we don't acquiesce to Dave's request to limit to discussion to responding to Earth Justice's petition.

---

**From:** Dean, Heather  
**Sent:** Tuesday, October 20, 2015 11:06 AM  
**To:** Michael Szerlog  
**Subject:** Info on HTL

Good morning. Given Dave Gesl's intent *not* to talk about what datum to use for HTL, we may not use these, but I've attached two documents that we could show (first two pages only, for the Word doc), if, by some chance we do talk about it. We can also go to any of the links in the Word doc.

As for the info you wanted me to follow up on:

# Deliberative Process / Ex. 5

I think that's it for now. Let me know if you want to discuss.

Message

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 4/18/2016 6:18:57 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** HTL Maps from Tim  
**Attachments:** TidalDatumComparisonSeattle.pdf; TidalDatumComparisonTacoma.pdf; TidalDatumComparisonTulalipBay.pdf; TidalDatumComparisonPortAngeles.pdf; TidalDatumComparisonNeahBay.pdf

Good morning. I sent these to the technical & manager team members, but not the attorneys. Subsequently realized you might want to see them, after all, so here you go. Let me know if you have any questions or comments.

Message

---

**From:** Meyer, Susan [meyer.susan@epa.gov]  
**Sent:** 2/11/2016 6:03:02 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** RE: HTL Matrix  
**Attachments:** Copy of Matrix for WA Workgroup-11 Feb 16.xlsx

Heather, this is fantastic and should prove to be very useful for decision-making. I added info for the OHWM, but not for the others. Thanks for doing this!

Susan

---

**From:** Dean, Heather  
**Sent:** Thursday, February 11, 2016 9:18 AM  
**To:** Szalay, Endre <Szalay.Endre@epa.gov>; Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** HTL Matrix

Hi. In yesterday's meeting, Michael referred to the matrix I had put together for the potential Clean Water Rule Q&A on HTL. He subsequently asked me to update & tweak it a bit, pass it through you guys, & then send it to other workgroup members. I've done the first thing & am now attaching it for you to take a look. If you could give me a thumbs up or down today, that would be great. Thanks!

BTW, there are four tabs in the workbook. Also, I'm using "perigean" instead of "king" tide, as it seems that the latter is colloquial, & I've added "mean highest predicted tide" as a replacement for "highest annual," which was largely rebuffed yesterday, but as revised, should have some legs again. (Enough to include in the group of candidates, at least.)

Thanks much,

Heather

## Appointment

---

**From:** Microsoft Outlook [MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@usepa.onmicrosoft.com]  
**Sent:** 7/6/2015 9:37:48 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** Meeting Forward Notification: Earthjustice Petition re High Tide Line  
**Location:** Endre will initiate call  
**Start:** 7/7/2015 5:00:00 PM  
**End:** 7/7/2015 5:30:00 PM

**Recurrence:** (none)

## Your meeting was forwarded

Dean, Heather has forwarded your meeting request to additional recipients.

### Meeting

Earthjustice Petition re High Tide Line

### Meeting Time

Tuesday, July 7, 2015 10:00 AM-10:30 AM.

### Recipients

Storm, Linda

All times listed are in the following time zone: (UTC-08:00) Pacific Time (US & Canada)

---

Sent by Microsoft Exchange Server 2016

Message

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 7/6/2015 9:36:23 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** RE: Earthjustice Petition re High Tide Line

Thanks!

---

**From:** Szalay, Endre  
**Sent:** Monday, July 06, 2015 2:35 PM  
**To:** Dean, Heather  
**Subject:** RE: Earthjustice Petition re High Tide Line

That's fine of course. Also, Allnutt said that Linda AC might be setting up a meeting on the subject. I was considering cancelling this meeting and waiting for Linda AC to schedule the large one, but I think we should keep this one. If nothing else, it will help me come up to speed on this issue.

Thanks and hop you have a good 4<sup>th</sup> weekend. Later!

Endre Szalay  
US EPA Region 10  
206-553-1073

-----Original Appointment-----

**From:** Dean, Heather **On Behalf Of** Szalay, Endre  
**Sent:** Monday, July 06, 2015 1:56 PM  
**To:** Szalay, Endre  
**Subject:** FW: Earthjustice Petition re High Tide Line  
**When:** Tuesday, July 07, 2015 10:00 AM-10:30 AM (UTC-08:00) Pacific Time (US & Canada).  
**Where:** Endre will initiate call

Hi, Endre. I neglected to ask you earlier about inviting Linda Storm to sit in on this discussion, as well, since she is the jurisdiction person for Washington state. What do you think?

-----Original Appointment-----

**From:** Szalay, Endre  
**Sent:** Wednesday, July 01, 2015 9:14 AM  
**To:** Szalay, Endre; Dean, Heather; Szerlog, Michael  
**Subject:** Earthjustice Petition re High Tide Line  
**When:** Tuesday, July 07, 2015 10:00 AM-10:30 AM (UTC-08:00) Pacific Time (US & Canada).  
**Where:** Endre will initiate call

Message

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 2/11/2016 5:55:49 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** RE: HTL Matrix

Sure, & thanks! Please text me when you're ready, Personal Matters / Ex. 6 but would like to send it if possible.

Almost forgot something else. Will send via separate e-mail. (It's unrelated.)

Thanks!

---

**From:** Szalay, Endre  
**Sent:** Thursday, February 11, 2016 9:47 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>; Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** RE: HTL Matrix

Heather:

This is a great product. Excellent work! I'm giving the thumbs up generally, but I would like to spend more time with it prior to us sharing with the HTL workgroup. I should have time tomorrow to look it over in more detail. Sound good?

Endre Szalay  
US EPA Region 10  
Office of Regional Counsel  
206-553-1073

---

**From:** Dean, Heather  
**Sent:** Thursday, February 11, 2016 9:18 AM  
**To:** Szalay, Endre <[Szalay.Endre@epa.gov](mailto:Szalay.Endre@epa.gov)>; Meyer, Susan <[meyer.susan@epa.gov](mailto:meyer.susan@epa.gov)>  
**Subject:** HTL Matrix

Hi. In yesterday's meeting, Michael referred to the matrix I had put together for the potential Clean Water Rule Q&A on HTL. He subsequently asked me to update & tweak it a bit, pass it through you guys, & then send it to other workgroup members. I've done the first thing & am now attaching it for you to take a look. If you could give me a thumbs up or down today, that would be great. Thanks!

BTW, there are four tabs in the workbook. Also, I'm using "perigean" instead of "king" tide, as it seems that the latter is colloquial, & I've added "mean highest predicted tide" as a replacement for "highest annual," which was largely rebuffed yesterday, but as revised, should have some legs again. (Enough to include in the group of candidates, at least.)

Thanks much,

Heather



Message

---

**From:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Sent:** 3/11/2016 2:29:44 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]; Dean, Heather [Dean.Heather@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]  
**CC:** Meyer, Susan [meyer.susan@epa.gov]  
**Subject:** RE: HTL Study Sites & Matrix

Heather and Endre,

Thank you for the summary. I do not have much to add except to reinforce **Deliberative Process / Ex. 5**

I am happy to go anywhere and the question about South Sound is a good one for USACE to weigh in on.

Thank you,  
Peter

---

**From:** Szalay, Endre  
**Sent:** Thursday, March 10, 2016 3:24 PM  
**To:** Dean, Heather <Dean.Heather@epa.gov>; Szerlog, Michael <Szerlog.Michael@epa.gov>; Murchie, Peter <Murchie.Peter@epa.gov>  
**Cc:** Meyer, Susan <meyer.susan@epa.gov>  
**Subject:** RE: HTL Study Sites & Matrix

Thanks Heather!

1. Re the datums to drop/keep in the matrix:

**Attorney Client / Deliberative Process Ex. 5**

2. Re Matt's input on the Matrix

**Attorney Client / Deliberative Process Ex. 5**

Finally, I have no comment on the four locations, other than to say that I will do whatever I can to go to each one ... I need more days outside the office!

Let me know if you want to discuss further. Thanks,

Endre Szalay  
US EPA Region 10  
Office of Regional Counsel  
206-553-1073

---

**From:** Dean, Heather

**Sent:** Thursday, March 10, 2016 3:07 PM

**To:** Szerlog, Michael <[Szerlog.Michael@epa.gov](mailto:Szerlog.Michael@epa.gov)>; Murchie, Peter <[Murchie.Peter@epa.gov](mailto:Murchie.Peter@epa.gov)>; Szalay, Endre <[Szalay.Endre@epa.gov](mailto:Szalay.Endre@epa.gov)>

**Cc:** Meyer, Susan <[meyer.susan@epa.gov](mailto:meyer.susan@epa.gov)>

**Subject:** FW: HTL Study Sites & Matrix

Greetings,

I am working on my assignments stemming from yesterday's HTL meeting & wanted to touch base with you all on two issues before moving on to coordination with the other agencies:

Proposed Study Sites

**Deliberative Process / Ex. 5**

HTL Matrix

**Deliberative Process / Ex. 5**

# Deliberative Process / Ex. 5

Thanks much,

Heather

Message

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 7/16/2015 2:57:32 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** RE: Region 10 receives Petition from Earthjustice re High Tide Line - attorney-client communication

Thanks, Endre!

---

**From:** Szalay, Endre  
**Sent:** Wednesday, July 15, 2015 4:13 PM  
**To:** Dean, Heather; Christensen, Damaris  
**Subject:** RE: Region 10 receives Petition from Earthjustice re High Tide Line - attorney-client communication

# Attorney Client / Ex. 5

Endre Szalay  
US EPA Region 10  
206-553-1073

---

**From:** Dean, Heather  
**Sent:** Wednesday, July 15, 2015 2:11 PM  
**To:** Christensen, Damaris  
**Cc:** Szalay, Endre  
**Subject:** RE: Region 10 receives Petition from Earthjustice re High Tide Line - attorney-client communication

Thanks, Damaris.

**Attorney Client / Ex. 5**

Endre, can you answer that question?

R10 invitees would be Endre & myself, as well as Linda Storm, Mary Ann Thiesing, & Michael Szerlog.

Thanks again,

Heather

---

**From:** Christensen, Damaris  
**Sent:** Wednesday, July 15, 2015 10:07 AM

**To:** Dean, Heather

**Subject:** RE: Region 10 receives Petition from Earthjustice re High Tide Line - attorney-client communication

There didn't seem to be any urgency, but I got permission to set up a meeting to set up next steps. Who from Region 10 should I invite?

## Attorney Client / Deliberative Process Ex. 5

Damaris

---

**From:** Dean, Heather

**Sent:** Wednesday, July 15, 2015 12:57 PM

**To:** Christensen, Damaris

**Subject:** RE: Region 10 receives Petition from Earthjustice re High Tide Line - attorney-client communication

Hi, Damaris. Any word from yesterday's meeting?

---

**From:** Christensen, Damaris

**Sent:** Thursday, July 09, 2015 11:12 AM

**To:** Szerlog, Michael

**Cc:** Goodin, John; Kaiser, Russell; Downing, Donna; Kwok, Rose; Dean, Heather

**Subject:** Re: Region 10 receives Petition from Earthjustice re High Tide Line - attorney-client communication

Thanks Michael. This is certainly relevant as we move forward with Q&As. I'm not sure who will be coordinating this but we will try to get back to you soon. Is there any kind of deadline associated with our response?

Damaris

Sent from my iPhone

On Jul 9, 2015, at 2:09 PM, "Szerlog, Michael" <[Szerlog.Michael@epa.gov](mailto:Szerlog.Michael@epa.gov)> wrote:

Re-sending, and including Rose and Damaris.

Thanks

*Michael J. Szerlog*, Manager

Aquatic Resources Unit

Office of Ecosystems, Tribal, and Public Affairs

Environmental Protection Agency

1200 Sixth Avenue, Suite 900, Mailstop ETPA-202-2

Seattle, Washington 98101

(206) 553-0279

[szerlog.michael@epa.gov](mailto:szerlog.michael@epa.gov)

<image001.gif>

---

**From:** Szerlog, Michael

**Sent:** Monday, July 06, 2015 1:51 PM

**To:** Goodin, John; Kaiser, Russell; Donna Downing

**Cc:** Endre Szalay

**Subject:** Region 10 receives Petition from Earthjustice re High Tide Line - attorney-client communication

John, Russ, and Donna,

Wanted to make sure you saw this petition. Let me know who I should be coordinating with at HQ.

Thanks

*Michael J. Szerlog*, Manager

Aquatic Resources Unit

Office of Ecosystems, Tribal, and Public Affairs

Environmental Protection Agency

1200 Sixth Avenue, Suite 900, Mailstop ETPA-202-2

Seattle, Washington 98101

(206) 553-0279

[szerlog.michael@epa.gov](mailto:szerlog.michael@epa.gov)

<image001.gif>

<Earthjustice Petition re High Tide Line and Request for JD (July 24, 2015).pdf>

Message

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 1/26/2016 8:15:36 PM  
**To:** Szerlog, Michael [Szerlog.Michael@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** HTL Graphic for Washington  
**Attachments:** Datums-Washington.pptx

Since the Corps is likely to balk at discussing HTL outside Washington (if not outside Puget Sound), here's a Washington-specific version of the second HTL graphic I sent last week, showing the difference between HAT, highest annual tide, & MHHW at the state's 32 harmonic tide stations.

## Appointment

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 7/6/2015 8:55:45 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]

**Subject:** FW: Earthjustice Petition re High Tide Line  
**Location:** Endre will initiate call

**Start:** 7/7/2015 5:00:00 PM  
**End:** 7/7/2015 5:30:00 PM  
**Show Time As:** Tentative

Hi, Endre. I neglected to ask you earlier about inviting Linda Storm to sit in on this discussion, as well, since she is the jurisdiction person for Washington state. What do you think?

-----Original Appointment-----

**From:** Szalay, Endre  
**Sent:** Wednesday, July 01, 2015 9:14 AM  
**To:** Szalay, Endre; Dean, Heather; Szerlog, Michael  
**Subject:** Earthjustice Petition re High Tide Line  
**When:** Tuesday, July 07, 2015 10:00 AM-10:30 AM (UTC-08:00) Pacific Time (US & Canada).  
**Where:** Endre will initiate call



Message

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 4/12/2016 5:00:44 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** RE: HTL Matrix  
**Attachments:** HTL Matrix for WA Workgroup-revised 23 Mar 16-Clean.docx; WA Shoreline Matrix for Sharepoint-28 Mar 16.docx

Here you go. Sorry; should've just done that the first time. These still need to be updated/fixed/QA'd, etc.

---

**From:** Szalay, Endre  
**Sent:** Tuesday, April 12, 2016 9:58 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: HTL Matrix

I'm not sure. Are you able to send them to me or send me a link to the one drive?

Endre Szalay  
US EPA Region 10  
Office of Regional Counsel  
206-553-1073

---

**From:** Dean, Heather  
**Sent:** Tuesday, April 12, 2016 9:57 AM  
**To:** Szalay, Endre <Szalay.Endre@epa.gov>  
**Subject:** RE: HTL Matrix

Can you not access them on my OneDrive? (Or are those not the latest versions?)

---

**From:** Szalay, Endre  
**Sent:** Tuesday, April 12, 2016 9:55 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: HTL Matrix

Hey Heather:

Can you send me the most recent versions of the matrix to pass along to Craig. I need the scrubbed version as well as a full version that includes the comparison with the reg and preamble. Thanks!

Endre Szalay  
US EPA Region 10  
Office of Regional Counsel  
206-553-1073

---

**From:** Szalay, Endre  
**Sent:** Wednesday, April 06, 2016 2:21 PM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** HTL Matrix

Hi Heather:

Given that sharepoint is still not working for the group, my plan is to send two versions of the matrix to Craig: 1) the scrubbed matrix with primarily technical and policy info; and 2) the full matrix that includes the legal analysis. Can you send me those two versions ... I think you worked on pulling out the tidal elevations that we've decided not to include. Thanks!

Endre M. Szalay  
Assistant Regional Counsel  
U.S. EPA, Region 10  
1200 Sixth Ave., Suite 900, ORC-113  
Seattle, WA 98101-3140  
(206) 553-1073  
[szalay.endre@epa.gov](mailto:szalay.endre@epa.gov)



## Appointment

---

**From:** Microsoft Outlook [MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@usepa.onmicrosoft.com]  
**Sent:** 7/6/2015 8:55:46 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** Meeting Forward Notification: Earthjustice Petition re High Tide Line  
**Location:** Endre will initiate call  
**Start:** 7/7/2015 5:00:00 PM  
**End:** 7/7/2015 5:30:00 PM

**Recurrence:** (none)

## Your meeting was forwarded

Dean, Heather has forwarded your meeting request to additional recipients.

### Meeting

Earthjustice Petition re High Tide Line

### Meeting Time

Tuesday, July 7, 2015 10:00 AM-10:30 AM.

### Recipients

Szalay, Endre

All times listed are in the following time zone: (UTC-08:00) Pacific Time (US & Canada)

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Sent by Microsoft Exchange Server 2016

Message

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**From:** Szerlog, Michael [Szerlog.Michael@epa.gov]  
**Sent:** 4/11/2016 10:52:28 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** Re: HTL workgroup, revised PMP

Perfect!

Sent from my iPhone

On Apr 11, 2016, at 2:26 PM, Szalay, Endre <Szalay.Endre@epa.gov> wrote:

Thanks, Michael.

Attorney Client / Ex. 5

**Attorney Client / Ex. 5**

So, I'll propose the following. Let me know if you are ok with that.

**Attorney Client / Ex. 5**

Endre Szalay  
US EPA Region 10  
Office of Regional Counsel  
206-553-1073

---

**From:** Szerlog, Michael  
**Sent:** Monday, April 11, 2016 1:57 PM  
**To:** Szalay, Endre <Szalay.Endre@epa.gov>  
**Subject:** RE: HTL workgroup, revised PMP

Endre,

I am OK with this version, however

**Deliberative Process / Ex. 5**

**Deliberative Process / Ex. 5**

Thanks

*Michael J. Szerlog*, Manager

Aquatic Resources Unit  
Office of Ecosystems, Tribal, and Public Affairs  
Environmental Protection Agency  
1200 Sixth Avenue, Suite 900, Mailstop ETPA-202-2  
Seattle, Washington 98101  
(206) 553-0279  
[szerlog.michael@epa.gov](mailto:szerlog.michael@epa.gov)  
<image001.gif>

---

**From:** Szalay, Endre  
**Sent:** Monday, April 11, 2016 10:37 AM  
**To:** Szerlog, Michael <[Szerlog.Michael@epa.gov](mailto:Szerlog.Michael@epa.gov)>  
**Subject:** HTL workgroup, revised PMP

Hey Michael – Susan and Heather reviewed my proposed revision to the PMP. I'd like to send to the Corps in the next day or so. Can you take quick look to make sure you are on board with the approach. Thanks and let me know if you want to discuss.

Endre M. Szalay  
Assistant Regional Counsel  
U.S. EPA, Region 10  
1200 Sixth Ave., Suite 900, ORC-113  
Seattle, WA 98101-3140  
(206) 553-1073  
[szalay.endre@epa.gov](mailto:szalay.endre@epa.gov)

<image002.png>

Message

---

**From:** Szerlog, Michael [Szerlog.Michael@epa.gov]  
**Sent:** 4/11/2016 8:56:36 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** RE: HTL workgroup, revised PMP

Endre,

I am OK with this version, however,

**Deliberative Process / Ex. 5**

**Deliberative Process / Ex. 5**

Thanks

*Michael J. Szerlog*, Manager

Aquatic Resources Unit  
Office of Ecosystems, Tribal, and Public Affairs  
Environmental Protection Agency  
1200 Sixth Avenue, Suite 900, Mailstop ETPA-202-2  
Seattle, Washington 98101  
(206) 553-0279  
[szerlog.michael@epa.gov](mailto:szerlog.michael@epa.gov)



---

**From:** Szalay, Endre  
**Sent:** Monday, April 11, 2016 10:37 AM  
**To:** Szerlog, Michael <Szerlog.Michael@epa.gov>  
**Subject:** HTL workgroup, revised PMP

Hey Michael – Susan and Heather reviewed my proposed revision to the PMP. I'd like to send to the Corps in the next day or so. Can you take quick look to make sure you are on board with the approach. Thanks and let me know if you want to discuss.

Endre M. Szalay  
Assistant Regional Counsel  
U.S. EPA, Region 10  
1200 Sixth Ave., Suite 900, ORC-113  
Seattle, WA 98101-3140  
(206) 553-1073  
[szalay.endre@epa.gov](mailto:szalay.endre@epa.gov)



Message

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 10/27/2016 4:56:12 PM  
**To:** Szerlog, Michael [Szerlog.Michael@epa.gov]; Meyer, Susan [meyer.susan@epa.gov]; Murchie, Peter [Murchie.Peter@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** RE: HTL report comments

Yep; those are the wrong maps. I will make a note to send him the corrected ones once the deadline for changes has arrived.

The library said it would take 48 hours to get a document number, so we'll probably be adding it right before Jim gives the doc to Col. Buck.

Thanks for the thorough review.

---

**From:** Szerlog, Michael  
**Sent:** Thursday, October 27, 2016 8:43 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>; Meyer, Susan <meyer.susan@epa.gov>; Murchie, Peter <Murchie.Peter@epa.gov>; Szalay, Endre <Szalay.Endre@epa.gov>  
**Subject:** HTL report comments

All,

Wow, definitely a great document that represents a lot of amazing work. Thank you to everyone involved in making this a reality.

I did find a few things that I think need to be addressed in the text. See attached. Also, the GIS maps still have the label MHPT instead of MAHT. Not sure if Kevin used the most recent version? Heather, please make sure Kevin has the corrected ones. Also, just a reminder that we still need to add the EPA document number - I know you were researching that as of yesterday.

Peter,

Once completed we need to make sure Dennis/Michelle and Dan/David have a copy.

Thanks

*Michael J. Szerlog*, Manager

Aquatic Resources Unit  
Office of Environmental Review and Assessment  
Environmental Protection Agency  
1200 Sixth Avenue, Suite 900, Mailstop OERA-202-2  
Seattle, Washington 98101  
(206) 553-0279  
[szerlog.michael@epa.gov](mailto:szerlog.michael@epa.gov)



## Appointment

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 7/1/2015 6:32:29 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
  
**Subject:** Accepted: Earthjustice Petition re High Tide Line  
**Location:** Endre will initiate call  
  
**Start:** 7/7/2015 5:00:00 PM  
**End:** 7/7/2015 5:30:00 PM  
**Show Time As:** Busy



Message

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 6/29/2015 4:50:50 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** RE: Petition from Earthjustice re High Tide Line - attorney-client communication

Thanks, Endre; interesting! In general, I'm available to meet every other Monday through Thursday (including this week) & then Monday or Tuesday in the intervening weeks (such as next week). My calendar is up-to-date. I could also participate in a call on one of the days I'm not officially working if that's better for others' calendars.

---

**From:** Szalay, Endre  
**Sent:** Thursday, June 25, 2015 12:53 PM  
**To:** Stern, Allyn; Steiner-Riley, Cara; Szerlog, Michael; Allnutt, David; Byron, Carrie; Dean, Heather  
**Subject:** Petition from Earthjustice re High Tide Line - attorney-client communication

Hi Folks:

Attached is a petition from Earthjustice sent to Dennis on July 24, 2015, seeking a general resolution between EPA and the Corps regarding the definition of "high tide line" for purposes of establishing CWA jurisdiction under the CWA and a specific jurisdictional determination for shoreline armoring projects currently planned in the Puget Sound area. Here is a link to a Seattle Times article regarding the petition: <http://www.seattletimes.com/seattle-news/environment/conservation-groups-seek-increased-shoreline-protections-in-puget-sound/>.

I believe folks are familiar with this issue and may recall that Earthjustice submitted and we recently responded to a FOIA request related to the issue. I'm not exactly sure where this conversation is now internally, Attorney Client / Ex. 5

# Attorney Client / Ex. 5

Just wanted to put this on people's radars and perhaps we should meet to discuss.

Thanks,

Endre M. Szalay  
Assistant Regional Counsel  
U.S. EPA, Region 10  
1200 Sixth Ave., Suite 900, ORC-158  
Seattle, WA 98101-3140  
(206) 553-1073  
[szalay.endre@epa.gov](mailto:szalay.endre@epa.gov)



Message

---

**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 6/25/2015 7:53:02 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** Automatic reply: Petition from Earthjustice re High Tide Line - attorney-client communication

I will be out of the office until Monday, 29 June.

Message

---

**From:** Meyer, Susan [meyer.susan@epa.gov]  
**Sent:** 3/25/2016 6:00:13 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** Automatic reply: New dates for HTL field day

I will be out of the office on Thurs and Friday, 3/24 and 3/25. I will respond to your message upon my return on Monday morning.

Message

---

**From:** Szerlog, Michael [Szerlog.Michael@epa.gov]  
**Sent:** 5/9/2016 11:16:07 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]  
**CC:** Murchie, Peter [Murchie.Peter@epa.gov]; Dean, Heather [Dean.Heather@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** Re: Beach profiles by the Corps for HTL

Susan,  
I think we should try and get them to him earlier.

Sent from my iPhone

On May 9, 2016, at 9:32 AM, Meyer, Susan <meyer.susan@epa.gov> wrote:

Hi all,

Remember on our call with the Corps last Wed., we said we would help identify beach segments that the Corps' GIS guy (Lawrence, I think) could do elevation surveys on. We said we would have the areas for him on Friday, which I don't think we did.

After our field day last Thursday, Tim, Phill and I thought that three field sites is too many for one day (I left the office at 7:45pm), and that we should focus on Seattle and Tulalip. I think Lawrence could get three good transects from Seattle and Tulalip. Heather, Tim and I are meeting in person on Thursday and can mark down areas that we think would work given the criteria outlined at the meeting. Let me know if you think this is okay, or if we should do this earlier in the week. I can let Jim J. know this as well, if that works.

Thanks,  
Susan Meyer  
EPA Region 10  
Puget Sound and National Estuary Programs  
1200 6<sup>th</sup> Aveune, Suite 900  
Seattle, Washington 98101-3140  
206-553-1078  
[Meyer.susan@epa.gov](mailto:Meyer.susan@epa.gov)

Message

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**From:** Dean, Heather [Dean.Heather@epa.gov]  
**Sent:** 9/1/2016 3:04:39 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** RE: Draft HTL Briefing Paper for Dennis

Thanks, Endre!

---

**From:** Szalay, Endre  
**Sent:** Wednesday, August 31, 2016 3:43 PM  
**To:** Dean, Heather <Dean.Heather@epa.gov>; Allnutt, David <Allnutt.David@epa.gov>; Murchie, Peter <Murchie.Peter@epa.gov>  
**Cc:** Meyer, Susan <meyer.susan@epa.gov>; Szerlog, Michael <Szerlog.Michael@epa.gov>; Steiner-Riley, Cara <Steiner-Riley.Cara@epa.gov>  
**Subject:** RE: Draft HTL Briefing Paper for Dennis

Looks great Heather. A few edits and comments. I think a lot of the nuances will come out during discussion, so good to keep this brief as possible in my opinion.

Endre Szalay  
US EPA Region 10  
Office of Regional Counsel  
206-553-1073

---

**From:** Dean, Heather  
**Sent:** Wednesday, August 31, 2016 7:52 AM  
**To:** Allnutt, David <Allnutt.David@epa.gov>; Murchie, Peter <Murchie.Peter@epa.gov>; Szalay, Endre <Szalay.Endre@epa.gov>  
**Cc:** Meyer, Susan <meyer.susan@epa.gov>; Szerlog, Michael <Szerlog.Michael@epa.gov>  
**Subject:** Draft HTL Briefing Paper for Dennis

Good morning. This briefing will be next Wednesday afternoon. To adhere to the timelines for getting it to the RA's office, please let me know if you have any edits, concerns, etc. by COB today.

Thanks!

Heather

Message

---

**From:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Sent:** 2/26/2016 3:10:37 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
**CC:** Szerlog, Michael [Szerlog.Michael@epa.gov]; Dean, Heather [Dean.Heather@epa.gov]; Meyer, Susan [meyer.susan@epa.gov]  
**Subject:** Re: HTL Workgroup - PMP revision

Agreed

Peter Murchie  
Manager  
Puget Sound and NEP Programs  
USEPA Region 10  
[murchie.peter@epa.gov](mailto:murchie.peter@epa.gov)  
206-553-1148 w  
206-419-0804 c

On Feb 25, 2016, at 4:52 PM, Szalay, Endre <[Szalay.Endre@epa.gov](mailto:Szalay.Endre@epa.gov)> wrote:

Hi Folks:

Attached is an updated revision to the PMP after looking over the track changes version that Jim sent.

# Attorney Client / Ex. 5

Let me know what you think ... I'd like to send this out tomorrow. Thanks,

Endre Szalay  
US EPA Region 10  
Office of Regional Counsel  
206-553-1073

---

**From:** Szerlog, Michael  
**Sent:** Tuesday, February 23, 2016 2:37 PM  
**To:** Szalay, Endre <[Szalay.Endre@epa.gov](mailto:Szalay.Endre@epa.gov)>; Murchie, Peter <[Murchie.Peter@epa.gov](mailto:Murchie.Peter@epa.gov)>; Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>; Meyer, Susan <[meyer.susan@epa.gov](mailto:meyer.susan@epa.gov)>  
**Subject:** RE: HTL Workgroup - PMP revision

Endre,

I concur with your edits. Thanks for keeping this issue front and center. Heather will offer up Adobe Connect as it appears the Corps has concerns with agencies sending around documents, which is quite ironic given the PMP.

Thanks

*Michael J. Szerlog*, Manager

Aquatic Resources Unit  
Office of Ecosystems, Tribal, and Public Affairs  
Environmental Protection Agency  
1200 Sixth Avenue, Suite 900, Mailstop ETPA-202-2  
Seattle, Washington 98101  
(206) 553-0279  
[szerlog.michael@epa.gov](mailto:szerlog.michael@epa.gov)  
<image001.gif>

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**From:** Szalay, Endre

**Sent:** Tuesday, February 23, 2016 12:59 PM

**To:** Szerlog, Michael <[Szerlog.Michael@epa.gov](mailto:Szerlog.Michael@epa.gov)>; Murchie, Peter <[Murchie.Peter@epa.gov](mailto:Murchie.Peter@epa.gov)>;  
Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>; Meyer, Susan <[meyer.susan@epa.gov](mailto:meyer.susan@epa.gov)>

**Subject:** HTL Workgroup - PMP revision

Hi Folks – Jim sent around PMP revisions today. They did not send in track changes so it's difficult to tell what was revised. I've asked Craig to have Jim send around the track changes version. I did take a quick look and **Attorney Client / Ex. 5**

**Attorney Client / Ex. 5** We've raised this in edits and verbally a couple times now. I've made suggested revisions and comments in the attached. Let me know if you have questions. I can send over to Jim today, or we can wait for the track changes version and discuss our issues tomorrow.

Endre M. Szalay  
Assistant Regional Counsel  
U.S. EPA, Region 10  
1200 Sixth Ave., Suite 900, ORC-113  
Seattle, WA 98101-3140  
(206) 553-1073  
[szalay.endre@epa.gov](mailto:szalay.endre@epa.gov)

<image002.png>

<PMP\_rev (00000002), EPA comments.docx>



Message

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**From:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Sent:** 5/9/2016 4:41:50 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]; Dean, Heather [Dean.Heather@epa.gov]; Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** RE: Beach profiles by the Corps for HTL

Makes sense to me  
P

---

**From:** Meyer, Susan  
**Sent:** Monday, May 09, 2016 9:32 AM  
**To:** Szerlog, Michael <Szerlog.Michael@epa.gov>; Murchie, Peter <Murchie.Peter@epa.gov>; Dean, Heather <Dean.Heather@epa.gov>; Szalay, Endre <Szalay.Endre@epa.gov>  
**Subject:** Beach profiles by the Corps for HTL

Hi all,

Remember on our call with the Corps last Wed., we said we would help identify beach segments that the Corps' GIS guy (Lawrence, I think) could do elevation surveys on. We said we would have the areas for him on Friday, which I don't think we did.

After our field day last Thursday, Tim, Phill and I thought that three field sites is too many for one day (I left the office at 7:45pm), and that we should focus on Seattle and Tulalip. I think Lawrence could get three good transects from Seattle and Tulalip. Heather, Tim and I are meeting in person on Thursday and can mark down areas that we think would work given the criteria outlined at the meeting. Let me know if you think this is okay, or if we should do this earlier in the week. I can let Jim J. know this as well, if that works.

Thanks,  
Susan Meyer  
EPA Region 10  
Puget Sound and National Estuary Programs  
1200 6<sup>th</sup> Aveune, Suite 900  
Seattle, Washington 98101-3140  
206-553-1078  
[Meyer.susan@epa.gov](mailto:Meyer.susan@epa.gov)

Message

---

**From:** Szerlog, Michael [Szerlog.Michael@epa.gov]  
**Sent:** 9/21/2016 6:21:01 PM  
**To:** Szalay, Endre [Szalay.Endre@epa.gov]  
**Subject:** RE: High Tide Line - reserving room for today's call with Corps - Seattle District

NP. Revisited tasks.

**Deliberative Process / Ex. 5**

**Deliberative Process / Ex. 5**

Seemed to be more clear.

Thanks

*Michael J. Szerlog*, Manager

Aquatic Resources Unit  
Office of Environmental Review and Assessment  
Environmental Protection Agency  
1200 Sixth Avenue, Suite 900, Mailstop OERA-202-2  
Seattle, Washington 98101  
(206) 553-0279  
[szerlog.michael@epa.gov](mailto:szerlog.michael@epa.gov)



-----Original Appointment-----

**From:** Szalay, Endre  
**Sent:** Wednesday, September 21, 2016 9:08 AM  
**To:** Szerlog, Michael  
**Subject:** Declined: High Tide Line - reserving room for today's call with Corps - Seattle District  
**When:** Wednesday, September 21, 2016 9:00 AM-10:30 AM (UTC-08:00) Pacific Time (US & Canada).  
**Where:** R10Sea-Room-20Chinook/R10-Rooms-Service-Center

I have a competing meeting from 9-10:15 that needs my attention. I'll try to call in and will be on skype if issues come up that you want to run by me. Sorry man.

## Appointment

---

**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 3/9/2016 6:21:48 PM  
**To:** Murchie, Peter [Murchie.Peter@epa.gov]  
**Subject:** Accepted: HOLD HTL Field Trip with Workgroup  
**Location:** TBD  
**Start:** 4/20/2016 7:00:00 AM  
**End:** 4/21/2016 7:00:00 AM  
**Show Time As:** Busy

Message

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**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 10/13/2016 7:52:49 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]  
**Subject:** RE: Please let me know when you are finished with your review of HTL

Turning to it now.

Endre Szalay  
US EPA Region 10  
Office of Regional Counsel  
206-553-1073

---

**From:** Meyer, Susan  
**Sent:** Thursday, October 13, 2016 12:25 PM  
**To:** Szalay, Endre <Szalay.Endre@epa.gov>  
**Subject:** Please let me know when you are finished with your review of HTL

I will send it off to COE then. Thanks!

Susan Meyer  
EPA Region 10  
Puget Sound and National Estuary Programs  
1200 6<sup>th</sup> Aveune, Suite 900  
Seattle, Washington 98101-3140  
206-553-1078  
[Meyer.susan@epa.gov](mailto:Meyer.susan@epa.gov)

## Appointment

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**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 7/1/2015 4:13:34 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]; Szerlog, Michael [Szerlog.Michael@epa.gov]  
**Subject:** Earthjustice Petition re High Tide Line  
**Location:** Endre will initiate call  
  
**Start:** 7/7/2015 5:00:00 PM  
**End:** 7/7/2015 5:30:00 PM  
**Show Time As:** Tentative

## Appointment

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**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 7/20/2015 5:11:39 PM  
**To:** Christensen, Damaris [Christensen.Damaris@epa.gov]  
**Subject:** Accepted: discussion of Earthjustice request and HTL  
**Location:** DCRoomWest7129/DC-CCW-OWOW  
**Start:** 7/23/2015 4:30:00 PM  
**End:** 7/23/2015 5:00:00 PM  
**Show Time As:** Busy

## Appointment

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**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 7/15/2015 11:35:33 PM  
**To:** Christensen, Damaris [Christensen.Damaris@epa.gov]  
**Subject:** Accepted: discussion of Earthjustice request and HTL  
**Location:** DCRoomWest7201/DC-CCW-OWOW  
**Start:** 7/23/2015 3:30:00 PM  
**End:** 7/23/2015 4:00:00 PM  
**Show Time As:** Busy

## Appointment

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**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 1/26/2016 10:38:59 PM  
**To:** Szerlog, Michael [Szerlog.Michael@epa.gov]  
**Subject:** Accepted: Conference Room for the High Tide Line - Puget Sound - Conference Call  
**Location:** R10Sea-Room-20Cedar/R10-Rooms-Service-Center  
**Start:** 1/27/2016 5:00:00 PM  
**End:** 1/27/2016 7:00:00 PM  
**Show Time As:** Busy



## Appointment

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**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 1/20/2016 8:48:33 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]  
**Subject:** Accepted: Discussion on HTL/shoreline protection prior to 1/27 Corps phone call  
**Location:** R10Sea-Room-19Orca/R10-Rooms-Service-Center  
**Start:** 1/26/2016 10:00:00 PM  
**End:** 1/26/2016 11:00:00 PM  
**Show Time As:** Busy

Message

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**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 4/12/2016 5:22:27 PM  
**To:** Dean, Heather [Dean.Heather@epa.gov]  
**Subject:** RE: HTL Matrix

Perfect. Thanks!

Endre Szalay  
US EPA Region 10  
Office of Regional Counsel  
206-553-1073

---

**From:** Dean, Heather  
**Sent:** Tuesday, April 12, 2016 10:01 AM  
**To:** Szalay, Endre <Szalay.Endre@epa.gov>  
**Subject:** RE: HTL Matrix

Here you go. Sorry; should've just done that the first time. These still need to be updated/fixed/QA'd, etc.

---

**From:** Szalay, Endre  
**Sent:** Tuesday, April 12, 2016 9:58 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: HTL Matrix

I'm not sure. Are you able to send them to me or send me a link to the one drive?

Endre Szalay  
US EPA Region 10  
Office of Regional Counsel  
206-553-1073

---

**From:** Dean, Heather  
**Sent:** Tuesday, April 12, 2016 9:57 AM  
**To:** Szalay, Endre <Szalay.Endre@epa.gov>  
**Subject:** RE: HTL Matrix

Can you not access them on my OneDrive? (Or are those not the latest versions?)

---

**From:** Szalay, Endre  
**Sent:** Tuesday, April 12, 2016 9:55 AM  
**To:** Dean, Heather <Dean.Heather@epa.gov>  
**Subject:** RE: HTL Matrix

Hey Heather:

Can you send me the most recent versions of the matrix to pass along to Craig. I need the scrubbed version as well as a full version that includes the comparison with the reg and preamble. Thanks!

Endre Szalay  
US EPA Region 10  
Office of Regional Counsel  
206-553-1073

---

**From:** Szalay, Endre  
**Sent:** Wednesday, April 06, 2016 2:21 PM  
**To:** Dean, Heather <[Dean.Heather@epa.gov](mailto:Dean.Heather@epa.gov)>  
**Subject:** HTL Matrix

Hi Heather:

Given that sharepoint is still not working for the group, my plan is to send two versions of the matrix to Craig: 1) the scrubbed matrix with primarily technical and policy info; and 2) the full matrix that includes the legal analysis. Can you send me those two versions ... I think you worked on pulling out the tidal elevations that we've decided not to include. Thanks!

Endre M. Szalay  
Assistant Regional Counsel  
U.S. EPA, Region 10  
1200 Sixth Ave., Suite 900, ORC-113  
Seattle, WA 98101-3140  
(206) 553-1073  
[szalay.endre@epa.gov](mailto:szalay.endre@epa.gov)



Message

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**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 4/11/2016 5:37:21 PM  
**To:** Szerlog, Michael [szerlog.michael@epa.gov]  
**Subject:** HTL workgroup, revised PMP  
**Attachments:** PMP\_rev (00000002) EPA comments CENWSOC (00000002) 4.11.16.docx

Hey Michael – Susan and Heather reviewed my proposed revision to the PMP. I'd like to send to the Corps in the next day or so. Can you take quick look to make sure you are on board with the approach. Thanks and let me know if you want to discuss.

Endre M. Szalay  
Assistant Regional Counsel  
U.S. EPA, Region 10  
1200 Sixth Ave., Suite 900, ORC-113  
Seattle, WA 98101-3140  
(206) 553-1073  
[szalay.endre@epa.gov](mailto:szalay.endre@epa.gov)



## Appointment

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**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 4/8/2016 8:17:18 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]  
**Subject:** Accepted: Practice field HTL in Seattle and Tacoma  
**Location:** meet at either Tacoma or Seattle beach site  
**Start:** 5/5/2016 3:00:00 PM  
**End:** 5/5/2016 9:00:00 PM  
**Show Time As:** Busy

## Appointment

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**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 4/7/2016 3:45:31 PM  
**To:** Meyer, Susan [meyer.susan@epa.gov]  
**Subject:** Tentative: Hold for practice HTL field exercise until I nail down which day works for Phill Dionne  
**Location:** out and about  
  
**Start:** 5/10/2016 3:00:00 PM  
**End:** 5/11/2016  
**Show Time As:** Busy

Message

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**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 9/26/2016 11:44:41 PM  
**To:** Campbell, Rich [Campbell.Rich@epa.gov]; Moffatt, Brett [Moffatt.Brett@epa.gov]  
**Subject:** High Tide Line Report  
**Attachments:** federalshorelinehabitat FINAL v1.pdf

Hi Rich and Brett:

Thanks for talking with me a couple weeks ago about R9's work on the SF Bay special case. I told you both that I would pass along R10's high tide line technical report, but it slipped my mind. Apologies for that. The document is still in draft (despite the title) so please keep it close hold for now – the Corps management wants to the workgroup to analyze as least on more tidal datum/elevation before we finalize the report.

Let me know if you want to discuss anything. Also, I'd be really interested in seeing the documentation you have regarding the SF Bay special case – especially the Regional memo that started the special case determination process and triggered the response from HQ.

Thanks again for sharing your experiences and insight.

Later,

Endre M. Szalay  
Assistant Regional Counsel  
U.S. EPA, Region 10  
1200 Sixth Ave., Suite 900, ORC-113  
Seattle, WA 98101-3140  
(206) 553-1073  
[szalay.endre@epa.gov](mailto:szalay.endre@epa.gov)



## Appointment

---

**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 9/21/2016 4:08:14 PM  
**To:** Szerlog, Michael [Szerlog.Michael@epa.gov]  
**Subject:** Declined: High Tide Line - reserving room for today's call with Corps - Seattle District  
**Location:** R10Sea-Room-20Chinook/R10-Rooms-Service-Center  
**Start:** 9/21/2016 4:00:00 PM  
**End:** 9/21/2016 5:30:00 PM  
**Show Time As:** Busy

I have a competing meeting from 9-10:15 that needs my attention. I'll try to call in and will be on skype if issues come up that you want to run by me. Sorry man.



## Appointment

---

**From:** Szalay, Endre [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=10B5B40221B744BB86D436CB1918C48F-SZALAY, ENDRE M.]  
**Sent:** 8/8/2016 7:35:11 PM  
**To:** Steiner-Riley, Cara [Steiner-Riley.Cara@epa.gov]  
**CC:** Castanon, Lisa [Castanon.Lisa@epa.gov]  
  
**Subject:** HTL Report  
**Location:** Cara's Office  
  
**Start:** 8/11/2016 8:00:00 PM  
**End:** 8/11/2016 8:30:00 PM  
**Show Time As:** Tentative

This time works for Cara, but we can have a follow up meeting for Lisa (and Allyn depending on interest/bandwidth).